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# Morehead State University Graduate Catalog 2015-16

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Volume 77 | August 2015

## Accreditations and Memberships

Morehead State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, masters, and specialist degrees, as well as a Doctor of Education degree. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097 or call 404-679-4501 for questions about the status of Morehead State University.

- AACSB International - The Association to Advance Collegiate Schools of Business
- American Association of Colleges for Teacher Education
- American Association of State Colleges and Universities
- American Council on Education
- Conference of Southern Graduate Schools
- Council for the Advancement and Support of Education
- DANES - Defense Activity for Non-Traditional Education Support
- National Association of Schools of Music
- National Association of Schools of Public Affairs and Administration
- National Association of Schools of Theatre
- National Commission on Accreditation
- National Council for the Accreditation of Teacher Education
- National League for Nursing
- Servicemembers Opportunity Colleges (SOC) Consortium Member
- Southern Regional Education Board

## Changes

Morehead State University reserves the right to change its academic regulations, policies, fees and curricula without notice by action of the Kentucky Council on Postsecondary Education, Education Professional Standards Board, and/or the Morehead State University Board of Regents. Material included in this catalog is based on information available at the time of publication. The provisions of this listing do not constitute an expressed or implied contract between Morehead State University and any member of the student body, faculty, or general public. The provisions of this catalog are not to be regarded as an irrevocable contract between the student and the University. The University reserves the right to make and designate the effective date of changes in University policies and other regulations at any time such changes are considered to be desirable or necessary.

## Educational Data

In accordance with actions of the General Assembly of the Commonwealth of Kentucky and in cooperation with the Kentucky Council on Postsecondary Education and the Office for Education and Workforce Statistics, Morehead State University makes publicly available its education data at [http://www.moreheadstate.edu/content\\_template.aspx?id=2147486920](http://www.moreheadstate.edu/content_template.aspx?id=2147486920).

## Equal Opportunity

Morehead State University is committed to providing equal educational opportunities to all persons regardless of race, color, national origin, age, religion, sex, sexual orientation, disabled veterans, recently separated veterans, other protected veterans, and armed forces service medal veterans, or disability in its educational programs, services, activities, employment policies, and admission of students to any program of study. In this regard the University conforms to all the laws, statutes and regulations concerning equal employment opportunities and affirmative action. This includes: Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Executive Orders 11246 and 11375, Equal Pay Act of 1963, Vietnam Era Veterans Readjustment Assistance Act of 1974, Age Discrimination in Employment Act of 1967, Sections 503 and 504 of the Rehabilitation Act of 1973, Americans with Disabilities Act of 1990, and Kentucky Revised Statutes 207.130 to 207.240. Vocational educational programs at Morehead State University supported by federal funds include industrial education, vocational agriculture, business education and the associate degree program in nursing. Any inquiries should be addressed to: Affirmative Action Officer, Morehead State University, 301 Howell-McDowell, Morehead, KY 40351, 606-783-2097 or e-mailed to: [affirmativeaction@moreheadstate.edu](mailto:affirmativeaction@moreheadstate.edu).

## Information

The Graduate School  
Toll free: 1-800-585-MSU1 (6781)  
[www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate)

## Printing

This catalog was prepared by Morehead State University and printed with state funds per KRS 57.375.

# Academic Calendars

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## Fall 2015 Academic Calendar

### August

12	Wednesday	Campus-wide convocation; division, college and department meetings Residence halls open for freshmen.
13	Thursday	Class scheduling in academic departments. Residence halls open for freshmen. <b><i>Business Day (Housing &amp; Enrollment Services open until 5:30 p.m.)</i></b>
14	Friday	Class scheduling in academic departments. <b><i>Business Day (Housing &amp; Enrollment Services open until 5:30 p.m.)</i></b>
17	Monday	All on-campus and off-campus classes begin. Late fee in effect.
24	Monday	Last day to register for credit, add a class or change sections. Last day to change from audit to credit, credit to audit, or pass-fail option. Last day for 100% credit of creditable fees (partial or full withdrawal). Last day for payment in full or completion of an online Protect Class Schedule Plan.
25	Tuesday	Class schedules dropped for students who have not paid in full or completed an online Protect Class Schedule plan.
31	Monday	Last day for 75% refund. Final drop of class schedules for students who have not paid in full or completed an online Protect Class Schedule Plan.

### September

7	Monday	Labor Day (University closed)
8	Tuesday	Last day for 50% credit of creditable fees (partial or full withdrawal).
15	Tuesday	Last day for 25% credit of creditable fees (partial or full withdrawal). Last day to withdraw from a first half-semester class with an automatic grade of "W"

### October

1	Thursday	Fall Break (Students only)
2	Friday	Fall Break (Students only)
9	Friday	First half-semester classes end.
12	Monday	Midterm grade reports due in Registrar's Office by 9:00 a.m. Second half-semester classes begin.
13	Tuesday	Last day to add a second half-semester class.
15	Thursday	Last day to apply for Fall 2015 graduation without penalty.
29	Thursday	Last day to drop a full-term course or withdraw from school with automatic grade of "W"

### November

4-17		Advance Registration for Spring and Summer 2015
16	Monday	Last day to drop a second half-semester class with an automatic grade of "W"
25-27	Wednesday-Friday	Thanksgiving Break (University closed)
30	Monday	Classes resume.



**December**

7-11	Monday-Friday	FINAL EXAMINATIONS
12	Saturday	Commencement 10:30 a.m.
14	Monday	Winter Session begins. Registration in academic departments (Winter Session). Late fee in effect (Winter Session).
15	Tuesday	Grades due in Registrar's Office by 9:00 a.m. Last day to register for credit or add a class (Winter Session). Last day to pay account in full or complete an online Protect Class Schedule Plan (Winter Session).
16	Wednesday	Drop of class schedule for students who have not paid in full or completed an online Protect Class Schedule Plan (Winter Session).
17	Thursday	Last day for 75% credit of creditable fees - partial or full withdrawal (Winter Session).
18	Friday	Last day for reinstatement of class schedule (Winter Session).
21	Monday	Last day for 50% credit of creditable fees - partial or full withdrawal (Winter Session). Winter leave begins.
23	Wednesday	Last day for 25% credit of creditable fees - partial or full withdrawal (Winter Session).
25	Friday	Christmas Day (offices closed)
28	Monday	Last day to drop a course or withdraw from class (Winter Session).

**Spring 2016 Academic Calendar****January**

1	Thursday	New Year's Day (offices closed)
4	Monday	University offices open.
11	Monday	Winter Session ends.
13	Wednesday	Campus-wide Convocation; division, college and department meetings
14	Thursday	Class scheduling in academic departments.
15	Friday	Class scheduling in academic departments. Grades due in the Registrar's Office by 9:00 a.m. (Winter Session).
18	Monday	Martin Luther King Jr. Day ( <b>University closed</b> )
19	Tuesday	All on-campus and off-campus classes begin. Late fee in effect. Grades due in the Registrar's Office by 9:00 a.m. (Winter Session).
26	Tuesday	Last day to register for credit, add a class or change sections, change from audit to credit, credit to audit, or to a pass-fail option. Last day for 100% credit of creditable fees (partial or full withdrawal). Last day for payment in full or completion of an online Protect Class Schedule Plan.
27	Wednesday	Class schedules dropped for students who have not paid in full or completed an online Protect Class Schedule plan.

**February**

2	Tuesday	Last day for 75% credit of creditable fees (partial or full withdrawal).
3	Wednesday	Final drop of class schedules for students who have not paid in full or completed an online Protect Class Schedule Plan.
9	Tuesday	Last day for 50% credit of creditable fees (partial or full withdrawal).
16	Tuesday	Last day for 50% credit of creditable fees (partial or full withdrawal).
24	Wednesday	Last day to withdraw from a first half-semester class with an automatic grade of "W"

**March**

9	Wednesday	First half-semester classes end.
10	Thursday	Second half-semester classes begin. Last day to add a second half-semester class.
14	Monday	Midterm grades due in the Registrar's Office by 9:00 a.m.
15	Tuesday	Last day to apply for Spring 2016 graduation <b><i>without penalty</i></b> .
21-25	Monday - Friday	Spring Break ( <b><i>Students</i></b> )
31	Thursday	Last day to drop a full-term course or withdraw from school with automatic grade of "W"

**April**

6-19		Advance Registration for Summer & Fall 2016
8	Friday	Last day to drop a second half-semester class with an automatic grade of "W"

**May**

9-13	Monday - Friday	Final Examinations
14	Saturday	Commencement, 10:00 a.m. & 2:00 p.m.
17	Tuesday	Grades due in the Registrar's Office by 9:00 a.m.

# General Information

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## Graduate School Administration

### The Dean

The Associate Vice President for Research and Dean of the Graduate School is responsible for executing policies and regulations governing graduate study.

### The University Graduate Committee

The University Graduate Committee consists of two members selected from the graduate faculty of each of the four colleges, four graduate students, a member of the professional library staff, the registrar, and the dean of the Graduate School or designee serving as chairperson. The committee recommends policies and regulations pertaining to graduate study; advises the graduate dean regarding the execution of these policies; and approves and reviews graduate programs, faculty and courses.

### Advisors

When the graduate student is admitted to a program, an advisor from the graduate faculty is appointed. The advisor counsels the student in preparing and completing the program of graduate study. The student should consult the advisor concerning any problems that may arise in connection with his or her work.

### Student Responsibilities

It is the responsibility of the graduate student to become thoroughly informed about the general regulations for graduate study and the specific program of study requirements as stated in this catalog. The graduate student is expected to meet regularly with the assigned advisor to plan the graduate program. If there is a question about the assigned advisor, the student should contact the Graduate School at 606-783-2039.

The graduate student is also responsible for completing all program requirements. A plea of ignorance of the rules in requesting a waiver of the general regulations or program requirements, as stated in this catalog, will not be accepted. If an exception is made based upon extenuating circumstances, the request must be approved by the graduate dean and/or the graduate committee.

## Reminders for Master's/Non-degree Applicants

### Graduate Program Application

Semester prior to planned entrance. Applications are available online at [www.moreheadstate.edu/apply](http://www.moreheadstate.edu/apply). There is a \$30 application fee.

### Graduate Record Examination (GRE)

At the time of application or before 12-credit hours have been completed. To schedule the exam, call 1-800-GRE-CALL.

### Graduate Management Admission Test (GMAT)

At the time of application. To schedule the exam, call 1-800-717-GMAT.

### Miller Analogies Test (MAT)

At the time of application or before 12-credit hours have been completed. To schedule the exam, call the MSU Testing Center at 606-783-2526.

### Program Evaluation

Students should review their official Program Evaluation online or obtain a copy via their MyMoreheadState account by visiting: [my.moreheadstate.edu](http://my.moreheadstate.edu).

### Thesis (if required by program)

Due in the Graduate School, 701 Ginger Hall, two weeks before the end of the final semester.

### Application for Degree/Nondegree completion

At the beginning of the semester in which program completion is anticipated. Applications are available in 701 Ginger Hall or at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate).

### Comprehensive Exit Examination

During the final semester of coursework. Contact your advisor to schedule the exam. Your advisor will provide you with information regarding the specifics for the completion of the exit examination for your program.

## About the University

With a Fall 2014 coeducational enrollment of 11,052 undergraduate and graduate students and a full-time teaching faculty of 371, Morehead State University offers a doctoral program, 78 graduate degree programs, five education specialists programs and 37 graduate non-degree programs designed especially for professional educators. MSU draws students from throughout the United States and several foreign countries to participate in its diverse academic and extracurricular life.

## MyMoreheadState

MyMoreheadState is the entryway to the various online services that Morehead State University provides to students, faculty and staff. MyMoreheadState is located at [my.moreheadstate.edu/](http://my.moreheadstate.edu/).

The following information can be accessed through the MyMoreheadState portal:

1. **Access Student Account Information**
  - Register for course sections, pay tuition, view grades and more.
2. **Email and Online Courses**
  - Access your MSU email account as well as Blackboard, which serves as the online course delivery system.
3. **Current Events at MSU**
  - Keep tabs on MSU news, events and other important announcements.

## Aspire to Greatness: MSU Strategic Plan

I am pleased to introduce ASPIRE 2014-2018 - the road map to our preferred future at Morehead State University. This plan is the result of an 18-month process involving members of the MSU Board of Regents, faculty, staff, students, alumni, community members and others committed to helping MSU become the best public regional university in the South.

Our goal was to develop an ambitious agenda designed to move the institution forward during a changing climate for higher education and challenging economic times in our nation, state and region. We feel that ASPIRE 2014-2018 achieves that objective. Our University is already an acknowledged leader in many areas of academic excellence and regional outreach. This plan will continue to build momentum in these areas through the creation of new, innovative programs and delivery methods and more efficient use of precious resources.

The identified strategies will strengthen our effort to provide a comprehensive educational experience that empowers students to be successful in an increasingly global environment. ASPIRE 2014-2018 will serve as the foundation for all of our planning at MSU over the next five years.

During this time, we will see transformations in our organization, campus and how we educate our students. Hundreds of people have spent the last 18 months planning the work for the institution, now I would ask everyone in our MSU family to help us work the plan.

**Wayne D. Andrews**  
President

## Vision, Mission Statement and Core Values

### Vision

We ASPIRE to be the best public regional university in the South.

### Mission Statement

As a community of lifelong learners, we will:

- Educate students for success in a global environment;
- Engage in scholarship;
- Promote diversity of people and ideas;
- Foster innovation, collaboration and creative thinking; and
- Serve our communities to improve the quality of life.

### Core Values

We strive to exemplify these core values in all that we do:

- PEOPLE come first and are treated with dignity and respect;
- LIFELONG LEARNING, SCHOLARSHIP and SERVICE;
- DIVERSITY and INCLUSION of people and thought;
- EXCELLENCE, HONESTY, INTEGRITY and TRUST.

## Goal 1: Academic Excellence

We will advance teaching excellence and innovation in the delivery of high-quality academic programs enriched by scholarship and service.

**Objective 1: Build and retain an outstanding, diverse faculty empowered to reach their potential as teacher-scholars.**

Key Strategies:

- Design an institutional process for identifying and hiring excellent faculty members who can advance the University's mission.

- Develop a faculty mentoring program.
- Develop a needs assessment instrument to identify areas for professional development.

**Objective 2: Offer high-quality programs with course delivery methods that meet diverse student needs.**

Key Strategies:

- Implement a required training certification program for online teaching.
- Develop an institutional strategy to define optimal course delivery methods and mix.
- Identify undergraduate and graduate programs appropriate for 100 percent online delivery or for offering on regional campuses.
- Create and implement residential learning communities and campus-wide programming through a collaboration of Academic Affairs and Student Life.
- Identify graduate assistant and internship opportunities in Student Life including Intercollegiate Athletics.
- Train and support faculty and staff to meet the needs of diverse students.  
Develop programs to meet the needs of gifted and talented high school students.

**Objective 3: Develop and Enhance relevant, high-Quality academic programs in fields to meet regional and global workforce needs.**

Key Strategies:

- Develop a systematic way to identify where students are employed after graduation to obtain feedback that will inform program validity and improvement.
- Use the Academic Program Needs Assessment model effectively to guide resource reallocation decisions.
- Conduct environmental scans annually to inform program strategic planning.
- Evaluate opportunities to infuse career planning, job search and readiness into program curriculum using institutional resources.
- Expand and enhance experiential program to prepare students for workforce by effectively using on- and off-campus resources.

**Objective 4: Communicate and assess learning outcomes for students that promote academic success and career preparedness.**

Key Strategies:

- Review program outcomes to ensure students are career ready using employer feedback and industry trends.
- Create and assess learning outcomes for student life programming.

**Objective 5: Enhance the visibility and profile of the University.**

Key Strategies:

- Develop an annual strategic media marketing plan that focuses on graduate outcomes, academic quality and athletic accomplishments.
- Explore strategies to dedicate resources to increase academic program promotion.
- Undertake market research to inform enrollment and marketing strategies.
- Identify marketing strategies to effectively communicate the quality of the academic experience at MSU.

**Objective 6: Focus the University community on the value of teaching, scholarship and service in achieving academic excellence.**

**Key Strategies:**

- Improve systematic recognition of excellence in teaching, scholarship and service institution-wide.
- Improve support for faculty and students in research and creative productions.
- Define expectations for faculty excellence in scholarship, teaching and service that inform faculty evaluations, tenure and promotion.
- Explore the process of external reviews for tenure and promotion.
- Explore alternative/additional instruments for the evaluation of teaching effectiveness.
- Promote the integration of scholarship, teaching and service.

**Academic Excellence: Key Performance Measures**

- Percentage of faculty engaged in scholarship or creative productions
- Percentage of students who successfully complete a subsequent course in the same discipline after taking one developmental course (math, English)
- Percentage of MSU students scoring in top 25 percent nationally on New Teacher Excellence exam
- Results from the NSSE Engagement Indicator of Academic Challenge, which includes higher-order learning, reflective and integrative learning, learning strategies and quantitative reasoning
- Results from the NSSE Engagement Indicator of Experiences with Faculty, which includes student-faculty interaction and effective teaching practices

**Goal 2: Student Success**

We will provide experiences that enrich academic, co-curricular and career goals.

**Objective 1: Enhance and promote our safe and healthy campus community.**

- Develop a systematic way to identify where students are employed after graduation to obtain feedback that will inform program validity and improvement.
- Use the Academic Program Needs Assessment model effectively to guide resource reallocation decisions.
- Conduct environmental scans annually to inform program strategic planning.
- Evaluate opportunities to infuse career planning, job search and readiness into program curriculum using institutional resources.
- Expand and enhance experiential program to prepare students for workforce by effectively using on- and off-campus resources

**Key Strategies:**

- Maintain and enhance current student programs and activities to ensure that they promote healthy lifestyles.
- Conduct an annual systematic review and communication of emergency, health and safety information.
- Increase police officer visibility and campus community connections.
- Educate, train and support faculty and staff with regard to identifying and reporting students who are of concern or in crisis in a timely and appropriate manner.

**Objective 2: Promote global awareness and inclusion.**

**Key Strategies:**

- Collaboratively develop and implement co-curricular and residential campus-side programs and activities which enhance global awareness and promote inclusion.

**Objective 3: Create and sustain a culture that supports and respects a diverse student population in their intellectual growth and completion of a degree.**

**Key Strategies:**

- Adopt institution-wide standards for respecting, developing and sustaining a culture of inclusion.
- Enhance current and build new partnerships and collaborations between various campus entities in order to provide efficient, wraparound support.
- Develop and implement an online reporting and feedback system to identify and resolve campus access issues for students with disabilities.
- Review and implement the Internationalizing the Campus Strategic Plan to enhance current programs to support international students and scholars.

**Objective 4: Strengthen student programming and wellness activities.**

**Key Strategies:**

- Increase the number and variety of recreational opportunities for students that enhance their educational and personal experiences.
- Develop and schedule programming on critical campus safety and wellness topics.
- Utilize an internal advisory board to create, implement and support new student co-curricular programming opportunities.

**Objective 5: Improve residential housing options and experiences.**

**Key Strategies:**

- Identify and implement standards of excellence for housing staff and facilities.
- Enhance housing staff training and student staff compensation.
- Create and implement a clear and focused replacement plan for furnishings and equipment.
- Assess and address student satisfaction with the campus residential experience.

**Objective 6: Strengthen the collaboration between Academic Affairs and Student Life.**

**Key Strategies:**

- Establish an internal advisory board to create, implement and support new student co-curricular programming opportunities.
- Institutionally support collaborative programming built on proven models and/or examples.
- Identify strategies to support students staying/working on campus.

**Objective 7: Produce knowledgeable graduates prepared for the workforce, advanced careers and professional education.**

**Key Strategies:**

- Update student hiring practices and ensure that work study/graduate assistant/internship opportunities provide

students with real-world experiences in situations that develop soft skills.

- Create and implement learning outcomes for student workers.

**Objective 8: Assist students as they transition from postsecondary education into the workforce or graduate education.**

Key Strategies:

- Develop a formalized college- and discipline-based career/graduate school mentoring program for students.
- Explore and systematically implement opportunities to incorporate transition activities/experiences into academic programs.
- Explore tools and strategies to connect students to programs/careers.

**Objective 9: Enhance the awareness and support of MSU Athletics.**

Key Strategies:

- Develop new promotional programs to encourage participation in athletic events.
- Host pre-game activities for alumni and friends in appropriate locations.
- Conduct targeted fundraising appeals for athletics.

**Student Success: Key Performance Measures**

- Results from the NSSE Engagement Indicator of Learning with Peers, which includes collaborative learning and discussions with diverse others
- Number of total degrees awarded
- Number of bachelor's degrees
- Number of master's degrees
- Number of doctoral degrees
- Number of STEM + H degrees
- Number of credits to degree
- Student satisfaction with residential experience, student life programming and services, co-curricular academic activities, etc.

**Goal 3: Productive Partnerships**

We will develop and sustain partnerships to benefit the people and communities within the MSU service region, Appalachia and beyond.

**Objective 1: Strengthen and expand long-term and sustainable partnerships with business, government, education, health care and nonprofit organizations.**

Key Strategies:

- Strengthen the coordination of all MSU outreach activities to better prioritize and align resources to support a defined and realistic set of operational goals and objectives.
- Review and expand advisory board for Center for Regional Engagement with membership from business, education, health care, government and nonprofits.

**Objective 2: Promote and support regional economic development and job creation.**

Key Strategies:

- Build capacity for developing and delivering entrepreneurship programming across campus.
- Expand existing entrepreneurship education programs in K-12 system.

- Collaborate and partner with Workforce Investment Boards on economic development, job creation and internships.

**Objective 3: Connect regional partnerships to on-campus research and educational strengths.**

Key Strategies:

- Effectively engage and educate the academic community in supporting regional outreach.
- Create and reinforce formal collaborative structures within MSU designed to meet critical needs in region.

**Objective 4: Develop rigorous, systematic evaluations of outreach activities.**

Key Strategies:

- Establish goals and measures of impact for outreach activities.

**Objective 5: Promote and support outreach activities that demonstrate a positive impact on the MSU service region.**

Key Strategies:

- Develop and distribute an annual report/publication communicating the impact of outreach activities to the public.
- Identify groups/methods to effectively communicate quality and impact of outreach activities.
- Promote and host targeted fundraising, pride raising and networking events.

**Productive Partnerships: Key Performance Measures**

- Number of P-12 students served by MSU outreach programs
- Percentage of SCH online
- Number of businesses participating in the career fair
- Number of student-hours contributed annually in regional engagement activities
- Number of services provided to the community

**Goal 4: Improved Infrastructure**

We will develop and retain a diverse workforce and acquire and steward capital and fiscal resources.

**Objective 1: Engage faculty and staff in quality professional development experiences that address identified institutional and individual needs.**

Key Strategies:

- Develop annual plans for unit/role specific training on the University's ERP system and other technology resources.
- Continue training opportunities to support the effective use of the new online performance management system.
- Deliver a diverse selection of professional development opportunities during annual professional development days.
- Maintain a comprehensive suite of online module-based professional development tools.
- Develop competency-based career paths for appropriate job categories.

**Objective 2: Attract and retain a talented and diverse faculty and staff workforce.**

Key Strategies:

- Implement the market-based employee compensation plan for all positions.
- Streamline employee recruitment and hiring process/shorten time to offer.
- Implement strategies to support reaching the goals identified in the University's Affirmative Action Plan.

- Conduct annual comparison of employee benefits to market peers and use results to recommend adjustments in benefit programs.
- Enhance onboarding program for new employees.

**Objective 3: Create and sustain a culture of wellness as the foundation for success.**

Key Strategies:

- Enhance wellness program to include result-oriented participation incentives.
- Conduct an annual comprehensive health fair event that engages employees.
- Implement program to provide employees' access to a wellness coach.
- Provide opportunities for employees to participate in tobacco cessation programs.
- Enhance and expand employees' access to wellness education.
- Provide biometric screening services on campus through the campus health clinic.

**Objective 4: Maintain a competitive compensation model.**

Key Strategies:

- Implement phase 2 of the employee compensation plan.
- Implement phase 3 of the employee compensation plan.
- Implement annual adjustments to the employee compensation scale based on market shifts.
- Facilitate annual review and updates to all staff job descriptions.

**Objective 5: Improve organizational effectiveness and efficiency.**

Key Strategies:

- Implement an enterprise document management system that integrates with the University's ERP system.
- Implement the new Information Technology Governance Structure.
- Transition purchasing approvals to a cost-based approval system.
- Implement shared services for common functions across the institution.
- Develop improvements in University travel processes.
- Implement cross-training and responsibility sharing to improve customer/student services during peak time.

**Objective 6: Provide and maintain a campus that meets the growing needs of a diverse student body.**

Key Strategies:

- Develop and follow a multi-year implementation budget plan and timeline for highest priority projects identified in the Campus Master Plan.
- Continue implementation of the 10-year Housing Master Plan.
- Implement strategies identified in the University Technology Plan.
- Invest in highest priority projects identified in the deferred maintenance plan.
- Invest in highest priority initiative identified by the ADA task force.
- Continue support of sustainability efforts.

**Objective 7: Provide technology that supports innovation, enhances productivity and makes information easily accessible to faculty, staff and students.**

Key Strategies:

- Re-engineer the University's external web site.
- Implement upgrade and provide training on Business Objects reporting solution.
- Implement enhancements and expand the University's Portal – MyMoreheadState.
- Complete the upgrade to the campus technology infrastructure.
- Implement and provide training on the University's enterprise document management system.

**Objective 8: Enhance the quality of life for faculty, staff, students and community members through effective budgetary planning.**

Key Strategies:

- Develop and manage a balanced operating budget that supports the highest priorities of the institution's strategic plan and Campus Master Plan.
- Maintain an effective tuition and fee schedule that balances revenue with affordability and generates resources necessary to support institutional budgetary needs.
- Monitor and analyze budget expenditure and revenue trends to anticipate and plan for financial opportunities and threats.

**Objective 9: Safeguard our financial future through effective stewardship of resources.**

Key Strategies:

- Complete timely and accurate financial reports and analysis necessary to effectively monitor fiscal performance and compliance.
- Facilitate a comprehensive annual audit of financial operations by an external audit firm.
- Plan and implement an annual internal audit plan to identify areas of risk, verify compliance with internal and external policies, and identify areas for improvement in efficiency and effectiveness.

**Objective 10: Manage institutional risk.**

Key Strategies:

- Create and implement training sessions to assist employees with identifying others in crisis and responding appropriately in emergency situations.
- Develop an institutional risk management plan with priority initiatives and timelines for completion.
- Effectively communicate and coordinate risk management activities.
- Maintain a comprehensive Emergency Operations Plan.
- Conduct periodic tabletop exercises to test and improve EOP processes.

**Objective 11: Enhance campus life by providing quality goods and services in a manner that is cost effective and customer-oriented.**

Key Strategies:

- Improve customer satisfaction with the University's auxiliary service units.
- Increase net revenue generated by auxiliary service units.

**Improved Infrastructure: Key Performance Measures**

- Median faculty salary as percentage of CUPA median
- Median staff salary as percent of market median
- Results from the NSSE Campus environment theme, which includes quality of interactions and supportive environment

- Number of diverse faculty and staff
- Number of diverse faculty and staff retained
- Total external research and development funding
- Participation in professional development for faculty/staff
- Operating dollars invested annually in capital renewal and maintenance

### **Goal 5: Resource Enhancement**

We will raise, manage and steward private support and resources.

#### **Objective 1: Cultivate and educate alumni and friends.**

Key Strategies:

- Host engagement and cultivation events.
- Place educational ads in Statement and other media.
- Conduct electronic, direct mail and phone cultivation.

#### **Objective 2: Generate and sustain new private giving and other support to MSU.**

Key Strategies:

- Increase applications for corporate and foundation funding.
- Annually solicit every alumnus.
- Continue the Much More Opportunity Campaign.
- Upgrade current annual donors.

#### **Objective 3: Strengthen our culture of support from faculty, staff and students.**

Key Strategies:

- Continue the Campus Giving Campaign.
- Enhance the student component of the Campus Giving Campaign.
- Incorporate retirees into the Campus Giving Campaign.

#### **Objective 4: Increase support to the entire MSU community through the use of private resources.**

Key Strategies:

- Assure private funding is being spent in a timely and appropriate manner.

#### **Objective 5: Safeguard our financial future through strategic investments and the effective management of private resources.**

Key Strategies:

- Work with MSU Foundation Board to sustain the new funding model.
- Ensure the MSU Foundation Financial Management and Investment Policy is being followed.
- Ensure MSU Foundation Board membership has highly qualified financial experts

#### **Resource Enhancement: Key Performance Measures**

- Total endowment amount
- Percentage of alumni who contribute to the University annually
- Private support from the MSU Foundation Inc. transferred to support MSU operating needs
- Percent of employees participating in the Campus Giving Campaign

### **Goal 6: Enrollment, Retention and Graduation Rate Gains**

We will recruit, retain and graduate a diverse student body.

#### **Objective 1: Strengthen efforts to recruit, educate, retain and graduate a diverse body of undergraduate students in four years.**

Key Strategies:

- Clearly distinguish MSU undergraduate program experiences from competitors through coordinated internal/external messages/communications according to a strategic media relations and advertising campaign.
- Develop online, hybrid and flexible high demand undergraduate programs to serve the diverse needs of current and prospective students.
- Revise and update the Strategic Undergraduate Enrollment Management Plan based upon identified areas of growth.
- Develop an Accelerated Degree Completion Plan with student incentives.
- Expand, promote and document the undergraduate research/creative production experiences and mentorships.
- Review scholarship opportunities and/or tuition discounting strategies to encourage retention and timely completion of degrees.

#### **Objective 2: Strengthen the capacity of graduate and professional programs to recruit, educate and graduate a diverse body of graduate students.**

Key Strategies:

- Clearly distinguish MSU graduate program experiences from competitors through coordinated internal/external messages/communications according to a strategic media relations and advertising campaign.
- Revise and update the Strategic Graduate Enrollment Management Plan based upon identified areas of growth.
- Develop online, hybrid and flexible high demand graduate programs to serve the diverse needs of current and prospective students.
- Examine the feasibility of competitive graduate tuition rates and setting differential program tuition rates based upon discipline.
- Explore competitive graduate assistant stipend and tuition remission program.
- Explore strategies to support completion of graduate degree programs.

#### **Objective 3: Strengthen and integrate support services for a diverse student body.**

Key Strategies:

- Provide one-stop student services on all campuses and online delivery.
- Review staffing/structure for regional campuses.
- Provide IT infrastructure to address campus needs.
- Develop a continuous improvement plan for college student services centers.
- Develop an organization and processes for continuing education.
- Identify and align all student support services/resources across campus.

#### **Objective 4: Provide a student-centered environment that actively engages students in and out of the classroom.**

Key Strategies:

- Strengthen efforts to meet needs of residential and non-residential students.



- Increase awareness and early participation in academic and non-academic student organizations.
- Expand opportunities for students to participate in peer-mentoring activities.
- Encourage faculty to expand opportunities for students to participate early in research, learning communities and service learning.
- Increase freshmen and sophomore student participation in international and national experiences.
- Explore scholarship or student employee models that encourage better engagement of students with faculty and staff.

**Objective 5: Focus the University community on the need to support retention efforts.**

**Key Strategies:**

- Improve recognition of faculty, staff and students participating in activities that engage students in and out of the classroom
- Evaluate the impact of General Education on student adjustment and explore options to improve.
- Identify needs of first-year students and address through first-year experiences.
- Explore strategies to recognize and reward units/programs who increase student retention.
- Develop appropriate guidelines and support structure to meet customer service standards in all units.
- Improve communication between advisor, faculty, parent/guardian and support staff with a focus on being more student centered.

**Objective 6: Close the gaps between identified groups and the majority of undergraduate students.**

**Key Strategies:**

- Identify and address risk factors for each of the gap groups.
- Explore strategies to integrate or cross-train financial aid staff with student service centers staff.
- Enhance programs that support preparation at the high school level.
- Identify students in gap groups, and develop specific strategies to support them.

**Objective 7: Strengthen efforts to recruit, retain and graduate transfer students.**

**Key Strategies:**

- Develop online, hybrid and flexible high-demand programs to serve the diverse needs of current and prospective transfer students.
- Implement dual-enrollment program with all KCTCS schools that includes dual advising.
- Update and manage articulation agreements and curriculum maps to facilitate transfer of KCTCS students.
- Explore creative tuition models to attract transfer students.
- Review program courses/requirements to determine if there are roadblocks for transfer students that can be removed.

**Enrollment, Retention and Graduation Rate Gains: Key Performance Measures**

**Enrollment Growth:**

- Number of undergraduate students enrolled

- Number of graduate students enrolled
- Number of international students enrolled
- Number of undergraduate underrepresented minority students enrolled
- Number of graduate underrepresented minority students enrolled
- Number of KCTCS transfer students enrolled (first-time transfer and number of students transferring credit in an academic year)
- Number of underrepresented minority KCTCS transfer students enrolled
- Total number of transfer students enrolled (number of first-time transfers in an academic year)

**Retention:**

- GRS Cohort: Retention rate of FTFR students cohort group
- GRS Cohort: Retention rate of FTFR students admitted with developmental needs
- GRS Cohort: Retention rate of FTFR students in low income group
- GRS Cohort: Retention rate of underrepresented FTFR students
- GRS Cohort: Retention from 2nd to 3rd year (include URM)
- GRS Cohort: Retention from 3rd to 4th year (include URM)
- Net direct cost
- Average ACT score of incoming freshmen

**Graduation Rates:**

- 4, 5 and 6-year graduation rate of bachelor's degree seeking students
- Graduation rate for associate degree-seeking students
- Bachelor's graduation rate gap - low income
- Bachelor's graduation rate gap - underprepared
- Bachelor's graduation rate gap - underrepresented minority

## Campus Map and Buildings

Visit [www.moreheadstate.edu/campusmap](http://www.moreheadstate.edu/campusmap) for a complete listing of campus buildings and accessibility information.

## Family Educational Rights and Privacy Act (FERPA)

**Release of directory information:**

Under the Family Educational Rights and Privacy Act (Public Law 93-380), "directory information" means information contained in an education record of a student that would not generally be considered harmful or an invasion of privacy if disclosed. It includes the student's name; address; telephone listing; electronic mail address; major field of study; dates of attendance; enrollment status (e.g., undergraduate or graduate, full-time or part-time); participation in officially recognized activities and sports; weight and height of members of athletic teams; degrees, honors and awards received; and the most recent educational agency or institution attended. The release of the above-noted information by an educational agency or institution is permitted under the law unless the student notifies the institution or agency in writing that he/she does not want such information released.

# Admissions, Fees, Financial Aid, and Housing

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## Admission to Graduate Study

### General Requirements

Admission to graduate study is granted to students who meet the academic requirements and who hold a baccalaureate degree from a regionally accredited institution of higher education, and to certain qualified MSU seniors. **A one-time nonrefundable \$30 application processing fee is required.** A minimum cumulative GPA of 2.5 on the baccalaureate degree awarding final transcript or a minimum cumulative GPA of 3.0 on the Master's degree awarding final transcript for those who have completed a previous Master's degree from a regionally accredited institution of higher education is required. However, some programs require a higher GPA. Contact the department of your major to obtain the minimum score. Minimum scores on the GRE, GMAT or MAT are established by program. Students who do not have the minimum test scores but who demonstrate exceptional scholarly activity and/or research or the potential for quality work as evidenced by a high GPA may appeal to the appropriate department chair or program director. All graduate students will be limited to 12 graduate credit hours unless they are unconditionally admitted to a graduate program. Once unconditionally admitted, the student will be responsible for completing program requirements. Departments may drop students from unapproved courses.

### Applications

Graduate School applications may be obtained from the Graduate School, regional campus directors or at [www.moreheadstate.edu/apply](http://www.moreheadstate.edu/apply). **A one-time nonrefundable \$30 application processing fee is required.** Return paper applications to: Graduate School, 701 Ginger Hall, Morehead, KY 40351. From this office, the applications are forwarded to the appropriate departments for evaluation and admission recommendations are made to the graduate dean and the official graduate admitting officer.

### Types of Admission

Students may be admitted to the Graduate School in any one of several categories:

1. **Unconditionally** — a student who meets the requirements for both general admission to graduate study, and for a particular program. A copy of the teaching certificate is also required for education students wishing to obtain a change in rank or to pursue additional certifications. Students are permitted to pursue coursework outlined on their program evaluations but are not permitted to take more than 12 hours of coursework outside the program to which they are admitted. Departments may drop students from unapproved courses.
2. **Conditionally** — a student who meets the general requirements for admission to graduate study, but fails to satisfy one or more of the special requirements for admission to a particular program. This is a temporary classification, and must be changed as soon as the specified conditions are

satisfied. Most graduate students will be limited to 12 graduate credit hours unless they are unconditionally admitted to a graduate program.

3. **Unclassified** — a student who meets the requirements for admission to graduate study, but does not wish to work toward a graduate program. Students admitted as unclassified will not be permitted to take more than 12 hours in any one program. Students should note that no more than 12 credit hours of graduate credit earned as an unclassified student may later be applied toward a program upon admission to that program, and only then at the discretion of the advisor and the graduate dean.
4. **Attempt to Qualify** — a student whose undergraduate GPA is below 2.5, and has met the testing requirement and/or other entrance requirement. A student so admitted, after completing a maximum of 12 credit hours of graduate work with at least a GPA of 3.0, may be considered for admission to a degree program.
5. **Non-degree Program** — a student who wishes to do a planned graduate program that leads to renewal or additional certification, but not to a degree. Prerequisites are a baccalaureate degree and a teaching certificate. The student must also meet program admission requirements.
6. **Visiting Student** — a student who has been admitted to a graduate program at another institution. Such a student may enroll at Morehead State University by submitting an application as a visiting student and paying the \$30 application fee. The graduate dean or registrar will certify that the student is in good standing and has permission to enroll for graduate work. A student can opt to submit an official transcript in lieu of the letter of good standing.
7. **Early Graduate School** — a Morehead State University undergraduate student who has completed 90 or more credit hours toward the completion of the baccalaureate degree may be considered for undergraduate concurrent admission to the Graduate School to enroll in graduate coursework. To be eligible for undergraduate concurrent admission, the student must have an overall undergraduate grade point average of at least 3.0 at the time of admission. The student must maintain an overall undergraduate GPA of at least 3.0 and a graduate GPA of at least 3.0 to continue in the Early Graduate School program. If the student drops below the 3.0 minimum grade point, they will not be allowed to continue in the program. Students may earn a maximum of 12 graduate credit hours while holding undergraduate concurrent admission status. An application to the Graduate School must be completed at the beginning of the semester requested. Undergraduate concurrent admission to the Graduate School must be approved by the graduate dean. Students who are enrolled in both undergraduate and graduate coursework may receive an adjustment to their financial aid. Please contact the Office of Financial Aid to determine what changes may occur.

## Denied Admission Policy

Once students have been denied admission to a graduate program, they will not be reconsidered for the same program for one semester.

## Special Admission

**There are two groups of students who must meet special admission requirements:**

1. All international students must have their transcripts evaluated by an agency approved by the National Association of Credential Evaluation Services (NACES). Visit [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) for additional information including a listing of approved agencies. International students who qualify for admission are required to take the English Language Institute Test of the University of Michigan, the International English Language Testing System (IELTS) or the Test of English as a Foreign Language (TOEFL) given by the Educational Testing Service. If the Michigan Test is taken, a minimum score of 82 is required. Students taking the IELTS must score a minimum of 5.5. A TOEFL score of 500 on the old testing system or 61 on the new system is required for admission to all graduate programs except the Master of Arts in Communication, Master of Business Administration, and Biology, which require a score of 525 (old system) or 70 (new system) for admission. International students who have completed a bachelor's degree from an accredited college or university in the U.S. are exempt from this requirement. International students will be officially admitted and issued a Form I-20A only after they have passed the English test successfully, have met program admission requirements, and have submitted a statement certifying their ability to meet all financial obligations. The TOEFL examination is given regularly in most foreign countries. For further information regarding these tests, the applicant should contact the U.S. Counsel in the country of residence.
2. Graduates of non-regionally accredited colleges must meet the MSU undergraduate requirements for graduation before their applications for graduate study will be approved. If a student's undergraduate preparation is inadequate, this deficiency must be satisfied by taking designated courses that will not be counted as graduate credit. Courses at the 600-level will not be acceptable for this validation work. A minimum of 12-credit hours of credit for such work is required. This deficiency also may be satisfied by presenting a GRE score of Verbal 150 and Quantitative 141.

## Second Master's Degree

Students completing one master's degree at MSU may apply for admission to another degree program. To complete a second master's degree, a student must:

1. Complete a graduate application;
2. Meet admission requirements;
3. Complete a minimum of 15 new graduate credit hours of MSU residence credit in approved courses beyond the first master's degree (additional courses may be necessary to meet the degree requirements); and
4. Pass a final examination.
5. Credit for Prior Learning may not be used for a second master's degree.

A student who enters the master's degree program after completing the non-degree fifth-year program must:

1. Complete a graduate application;
2. Meet admission requirements;
3. Complete a minimum of 15 new graduate credit hours of Morehead State University residence credit. In meeting specific degree requirements, a minimum of 18 credit hours will be required if only 12 credit hours of graduate work was completed for the fifth-year; and
4. Pass a final examination.

## Transfer Credit

Students must request an official transcript be mailed to the **Graduate School, 701 Ginger Hall, Morehead, KY 40351.**

A maximum of nine credit hours of graduate credit earned at another institution may be accepted toward meeting requirements for the graduate program provided:

1. The credit has been earned at an accredited graduate institution within 10 years of the date on which the graduate program requirements are completed;
2. The work is acceptable as credit toward a comparable program at the institution from which transfer is sought;
3. The courses to be transferred carry a mark of "B" or better; and
4. The courses are approved by the advisor, program department chair and/or coordinator and the graduate dean. Approval may be based on the evaluation of an institution using these criteria: length of the instructional term, frequency and length of class sessions, availability of library services, course syllabus and/or statement of requirements and faculty member's qualifications.

Transfer credits taken during the final semester of a program will delay program completion until official transcripts of the courses have been received in the Graduate School. To transfer a course, a course substitution form must be completed. Transfer credit does not compute in the MSU GPA. A course substitution/transfer form can be found at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate).

## Financial Information

### Student Billing and Payment Information

Morehead State University does not send out paper bills. Students will receive electronic (e-bill) statements each month via their MSU EagleMail account as long as their balance has not been paid in full (by financial aid or by the student).

Students may also view and pay their bill online, (after July 15 for fall semesters) by logging into MyMoreheadState and selecting the "Finance" icon and then selecting "My Billing Info."

After acceptance to the University, students may establish an EagleMail address by visiting MyMoreheadState and selecting "Activate Account" under the "Trouble Logging In" tab. It is the student's responsibility to view his or her MSU EagleMail account on a regular basis.

Questions about costs may be answered by referring to the online fee schedule located at [www.moreheadstate.edu/aafs](http://www.moreheadstate.edu/aafs) or calling 606-783-2019.

Tuition and fees are subject to change without notice by the Council on Postsecondary Education and the University's Board of Regents. Morehead State University reserves the right to deny credit based on prior payment history.

## Refund Policy

The following credit/adjustment policy is applicable for all students:

### Fall or Spring Session Credit Adjustments

First six days of classes	100%
Next five days of classes	75%
Next five days of classes	50%
Next five days of classes	25%

No credits are given after the first 21 class days of the semester.

### Summer I and Summer II Sessions (Four-week sessions)

First two days of classes	100%
Next two days of classes	75%
Next two days of classes	50%
Next two days of classes	25%

No credits are given after the first eight class days of the session.

### Summer Intersession (Two-week session)

First two days of classes	100%
Next one day of classes	75%
Next one day of classes	50%
Next one day of classes	25%

No credits are given after the first five class days of the session.

### Summer Session (Eight-week session)

First four days of classes	100%
Next two days of classes	75%
Next two days of classes	50%
Next two days of classes	25%

No credits are given after the first 10 class days of the session.

Creditable fees include tuition, housing and course fees.

Visit the University Calendar for term dates.

## Protect Class Schedule Plans

Morehead State University offers two "Protect Class Schedule" plans:

### Protect Class Schedule - Standard Payment Plan

This plan protects class schedules for students with SOME or NO financial aid, scholarships, waivers or other sources of assistance, who **cannot** pay their bill in full. This plan spreads payments over three months. One-third of the balance and a \$50 installment payment fee are due at the time of enrollment.

This plan is available for fall and spring semesters only.

### Protect Class Schedule - Financial Aid Plan

This plan protects class schedules for students with enough financial aid, scholarships, waivers or other sources of assistance to cover their entire balance in full. It also protects class schedules for students with **some** financial aid, scholarships, waivers, etc. who **can** pay the remaining balance in full. (Remaining balance must be paid in full first and then enroll in this plan to protect class schedules.)

There is no installment payment fee to enroll in this plan. This plan is available for fall, spring and summer sessions.

Changes in financial aid, tuition, course fee(s), class changes, books, housing, meal plan or miscellaneous charges will automatically update the payment plan amounts due. Notification of these changes will be reflected in the billing statement and may result in an increase or decrease in the amount due for the month being billed. Students may, at any time, elect to pay an amount greater than the amount due on the billing statement or pay the balance in full.

- Fall semester – amount available for payment plan is divided into three payments due July/August (1st payment due at time of enrollment), September and October.
- Spring semester - amount available for payment plan is divided into three payments due December/January (1st payment due at time of enrollment), February and March.
- Summer sessions – payment is due in full at the start of each summer session. (See Academic Calendar for deadlines) Standard payment plans are not available for summer sessions.
- Students must register before classes begin to avoid a \$75 late registration fee.

Students must make payments as scheduled above to avoid a late payment charge at the monthly rate of 0.65% on outstanding balances and to avoid a hold being placed on their account.

## Refund Checks

A refund will be provided when payments (including financial aid, scholarships, or other outside sources of assistance) exceed total charges. Students may choose to have their refunds direct deposited to the bank account of their choice. Direct deposit is strongly encouraged for student convenience. To set up direct deposit, login to MyMoreheadState and select the "WebAdvisor" icon, then select "Bank Information (Direct Deposit)" located under "Student Financial Information." Refund checks will be direct deposited no earlier than two weeks after classes begin. If direct deposit is not set up, checks will be mailed to permanent home addresses. Federal regulations state that for first-time, first-year borrowers of a Federal Direct Loan, Direct Loan funds cannot be disbursed until 30 days after the first day of classes.

## How to Pay Tuition and Fees

When a student registers for classes they are creating a financial obligation to Morehead State University. The total semester charges (tuition, housing, meal plans, books and fees) less financial aid/scholarships/waivers or other outside source of assistance for each semester result in the amount due to MSU. All students are required to make payment in full or enroll in an online "Protect Class Schedule Plan" before they arrive on campus to activate meal plans and prevent cancellation of class schedules.

1. Login to MyMoreheadState at my.moreheadstate.edu.
2. Select the "Finance" icon, and then select "My Billing Info" to pay via ACH, credit card or debit card.
3. Mail payment to Morehead State University, Office of Accounting and Financial Services, 207 Howell McDowell Administration Building, Morehead, KY 40351.
4. Pay bill at any regional campus (Ashland, Mt. Sterling, Prestonsburg or West Liberty).

## Financial Aid

Financial aid in the form of work and loans may be available to eligible graduate students at Morehead State University. Under the

federal or institutional work-study programs, graduate students (other than those on graduate assistantships) may be employed on campus.

Low-interest federal loans available to graduate students include Federal Perkins Loans and Federal Direct Stafford Loans. Interest rates on these loans range from 5-8.25 percent and, in general, repayment does not begin until six to nine months after the student leaves school or ceases to be enrolled at least half-time. Eligibility and award amounts are determined based on enrollment on the last day to add a full semester class per the University's academic calendar. Students must be enrolled in at least six credit hours to receive a Federal Direct Stafford Loan.

To apply for financial aid, students must submit a Free Application for Federal Student Aid (FAFSA) online at [www.fafsa.edu.gov](http://www.fafsa.edu.gov).

## Financial Aid Satisfactory Progress Standards

The Higher Education Act mandated institutions of higher education establish minimum standards of "satisfactory progress" for students receiving financial assistance.

This means that a student must make progress toward obtainment of an appropriate degree or certificate during each term that the student is enrolled. These standards are applicable to all federal, state and institutional aid programs administered by Morehead State University.

To continue to receive financial aid at MSU, a student must demonstrate satisfactory academic progress by completing a minimum number of the total hours attempted, and by also maintaining a minimum GPA.

Graduate students will be considered to be making satisfactory academic progress for financial aid purposes as long as all of the following requirements are met:

1. A student must successfully complete a minimum of 67 percent of the credit hours attempted. Successful completion for this purpose is defined as receiving a "C" or better.
2. A student must maintain a minimum 3.0 cumulative GPA.
3. A student has attempted no more than 150% of the number of hours required for his or her degree.

## Grading Policies and Procedures

The specific policies and procedures to be used in applying the satisfactory progress standards are outlined below:

1. Satisfactory progress will be evaluated at the end of each spring semester. (For the Federal Direct Loan, evaluation will be completed prior to the certification of the loan application.)
2. Hours attempted for purposes of this policy will be defined as those for which a student receives a grade of A, B, C, D, E, F, I, IP, K, P, R, U, N, or W.
3. For graduate students, grades of D, E, F, I, IP, P, R, U, N, and W will not qualify as successful completion of hours attempted.
4. Noncredit remedial courses, courses taken for audit, and courses in which grades of "K" or "P" are received are not figured in the calculation of a student's GPA.
5. If otherwise eligible, students will be given financial aid during a term in which they may be repeating a course. Financial aid can pay for the repeat of a passed class only one time.
6. A student who fails to maintain satisfactory progress as defined will not be permitted to receive federal, state, or institutional financial aid.

## Appeal Procedure for Students Who Fail to Maintain Satisfactory Progress Standards

Students who fail to meet satisfactory progress standards, as defined, may appeal the ruling to the Office of Enrollment Services if they believe extenuating circumstances led to their failure to maintain satisfactory progress. Those desiring to appeal must do so in writing on the Unsatisfactory Academic Progress Appeal for Student Financial Aid form and must attach supporting documentation. Copies of the appeals form may be obtained in the Office of Enrollment Services or online at [www.moreheadstate.edu/finaidforms](http://www.moreheadstate.edu/finaidforms). Students will be notified in writing of the action taken on their appeals. Financial aid eligibility will be reinstated for all students whose appeals are approved.

## Reinstatement of Financial Aid Eligibility

Students who do not appeal or have an appeal denied can regain eligibility for financial aid by enrolling for a subsequent academic term (fall, spring or summer term) at his or her own expense, satisfying the satisfactory progress definition.

## Residency for Fee Assessment Purposes

The Council on Postsecondary Education for the Commonwealth of Kentucky, in accordance with Section 164.020(8) of the Kentucky Revised Statutes, has adopted the policy by which residency for fee assessment purposes is defined and determined. The policy is applied to determine a student's eligibility for fees assessed Kentucky residents who enroll at any state-supported institution of higher learning in the Commonwealth of Kentucky. This determination is made at the initial time of enrollment.

Every student who is not a resident of Kentucky as defined by the policy enacted by the Council on Postsecondary Education is required to pay non-resident registration and/or entrance fees.

Any student or prospective student in doubt concerning his or her residency status must bear the responsibility for securing a ruling by completing an Application for Student Residency Reclassification for Fee Assessment Purposes and returning it to the Office of Enrollment Services, Morehead State University. The student who becomes eligible for a change in residence classification, whether from out-of-state or the reverse, has the responsibility of immediately informing the Graduate School of the circumstance in writing.

## Procedure for Determination of Student Residency Status for Fee Assessment Purposes

To apply for a change of residency, a student must complete the Application for Student Residency Reclassification for Fee Assessment Purposes and submit it to the Office of Enrollment Services. The student will be notified of the residency status decision in writing. To view the full policy online, visit [www.moreheadstate.edu/finaidforms](http://www.moreheadstate.edu/finaidforms).

## Graduate Assistantships

A number of graduate assistantships are available each year for graduate students who have been admitted unconditionally to a graduate degree program. These graduate assistantships provide a \$10,000 per year (\$5,000 per semester) stipend for the fall and spring semesters. The stipend is disbursed in bimonthly increments on the 15th and 30th. A graduate assistant must be a full-time student who maintains a 3.0 cumulative GPA and registers for and completes at least nine graduate credit hours (600 level) but no more than 13 credit hours each semester. Twenty

hours a week must be devoted to the duties of a full assistantship. While nonresident students are not required to pay out-of-state tuition, all recipients must pay the regular Kentucky resident and incidental fees as the GA award does not cover these expenses. For more detailed information, visit the Graduate School's website at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate). You can also reach the Graduate School by phone at 606-783-2039.

Qualified students are eligible to receive a graduate assistantship for two years. Failure to maintain a cumulative 3.0 GPA will result in the loss of the graduate assistantship position and benefits associated with the award.

1. Departments planning to use graduate assistants should identify a member of the graduate faculty to coordinate the activities of the graduate assistant(s).
2. The faculty member should furnish each graduate assistant with a job description which outlines his/her duties. The graduate assistant must agree to these duties and sign an acceptance form.
3. Unless exempted by SACS standards, a graduate assistant who has teaching responsibilities must have completed at least 18 graduate credit hours in his/her teaching field and must be supervised by a graduate faculty member with teaching experience in the same field. The graduate assistant's supervision on the part of the faculty member must include in-service training and evaluation.
4. Any grievance must be routed through the supervising faculty, department chair, or director and the graduate dean.

A student for whom English is a second language may be employed as a graduate assistant only when a test of spoken English or other reliable evidence of the applicant's proficiency in oral communication and speech indicates that his/her appointment is appropriate.

### **The Science Endowment Fellowships**

This endowment is available as a supplement to a graduate assistantship for an African-American student in the biological

sciences. You must be unconditionally admitted to a graduate degree program, enrolled as a full-time student in 600-level courses and maintain a 3.0 cumulative GPA. With the supplemental money, the GA stipend will be \$12,500 per academic year. Graduate assistant applications are available in the Office of Human Resources. Further information is available from the Department of Biology and Chemistry department chair, 606-783-2944 or Geoff Gearer, biology graduate coordinator, 606-783-2803 ([g.gearer@moreheadstate.edu](mailto:g.gearer@moreheadstate.edu)). Awards will be made on a first come basis with a preferred deadline of April 1.

### **University Keys**

Students employed as graduate assistants may obtain University keys necessary in the performance of their duties by initiating a request through their supervisor. Requests will be processed via the same procedures as those for other University employees except the form must indicate a date that the keys will be turned in. The MSU Police Department provides key services between the hours of 8 a.m. - 4:30 p.m., Monday through Friday.

### **Housing**

Graduate students who desire to reside in University housing may request an application by contacting the Office of Student Housing at [housing@moreheadstate.edu](mailto:housing@moreheadstate.edu) or 606-783-2060. All housing arrangements should be made in advance of the term the student expects to begin graduate study.

Students are assigned to housing by date of housing application/deposit received by the Office of Student Housing. Graduate students may choose to reside in any of the upper-class residence halls, or apartments. Part-time students must receive special permission from the Office of Student Housing to reside in University housing. Students who need housing during break periods or year-round are encouraged to apply for apartment housing, Grote-Thompson Hall, or Fields Hall.

# Academic Information

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## Message from the Dean



Welcome to the Graduate School at Morehead State University. Graduate education is all about taking the next step in one's intellectual development, as well as gaining the real-life skills and expertise necessary for advancement along today's knowledge-intensive career paths. Therefore, whether you are currently an accomplished undergraduate student who wishes to continue your studies or a seasoned professional who requires the additional skills, credentials or degree necessary for career progression, graduate study at MSU can be your gateway to success.

At MSU, excellence in scholarship and research, cutting-edge instruction and real-world experiences combine to create a dynamic atmosphere for learning. A wide range of programs are available to you, with 78 graduate degree programs, plus 37 graduate level non-degree programs that are designed especially for professional educators. We also offer an online MBA, education specialist certifications in five specialty areas and a doctorate in education (Ed.D.). Because financial considerations are of paramount importance, we offer over 90 graduate assistantships with yearly stipends of \$10,000 for students pursuing degrees and a flat tuition rate regardless of residence. Fellowships in selected areas are available to eligible students who maintain a 3.0 GPA. Because convenience and ease of access are also important, graduate courses are offered at regional campuses in Ashland, Mt. Sterling, Prestonsburg and West Liberty, as well as the University Center of the Mountains, in addition to the Morehead campus.

The friendly and professional staff of the Graduate School at MSU is prepared and eager to answer your questions. Please contact us at the telephone numbers or email addresses listed. We look forward to hearing from you and to helping you take that next step.

With best wishes for your success,

A handwritten signature in blue ink that reads "Michael C. Henson". The signature is fluid and cursive, with a long, sweeping underline.

Michael C. Henson, PhD  
Professor, Associate Vice President for Research &  
Dean of the Graduate School

## Academic Regulations and Procedures

### Attendance/Absences

Prompt and regular class attendance, being essential to the learning experience, is the responsibility of all students. Students missing class because of legitimate reasons must consult with the instructor concerning the absence, preferably beforehand. Legitimate absences do not excuse the student from class responsibilities. Some examples of absences that may be excused by the instructor are illness, accident, personal emergency, death in the immediate family, special academic programs or an authorized University function for which the student's presence is required. Students who feel that they have been unjustly penalized by an instructor's attendance policy or by the instructor refusing to accept an excuse may follow the academic grievance procedures outlined in the student handbook.

Student-athletes are required to confer with their coaches and advisors prior to the start of a semester in order to choose required classes that minimize class and athletic event conflicts. When conflicts are unavoidable, they should be kept to a reasonable number per semester. Faculty should be advised of specific conflicts by the student-athlete within the first week of the semester. If the athletic event schedule changes after the first week, it is the student's responsibility to notify faculty promptly. When the nature of the work missed is such that it can feasibly be made up, students must make arrangements with faculty to do so. Visit UAR 131.02 at [www.moreheadstate.edu/uar](http://www.moreheadstate.edu/uar) for more detailed information specific to the Excused Absence policy.

### Auditing Courses

An auditor is one who enrolls and participates in a course without expecting to receive academic credit. The same registration procedure is followed and the same fees charged as for courses taken for credit. An audited course is not applicable to any degree or certificate program. Audit enrollment will not be considered a part of the minimum number of hours required to determine full-time status or normal load. Audit enrollment will be counted in determining overload.

Regular class attendance is expected of an auditor. Other course requirements, which may be obtained in writing from the instructor, will vary depending on the nature of the course. Students interested in auditing a course should contact the instructor and discuss course requirements prior to enrolling. Failure to meet audit requirements for the course may result in the auditor being withdrawn from the course at the request of the instructor with a "WY" (Audit Withdrawal) entry made on the student's transcript. A successful audit will be recorded on the transcript with the designation "Y." Any change from audit to credit must be done by the last day to add a class. Changes from credit to audit must also be done by the last day to add a class. Deadlines for change of registration status are published in the current Directory of Classes. Refunds for withdrawals from audited courses will be prorated on the same basis as refunds for courses taken for credit.

### Changing Your Program

To change a program, the student must complete a new application and submit it to the Graduate School. No change will be effective until the application is approved by the department for admission.

## Catalog Applicable

The student is obligated to abide by the program requirements listed in the Graduate Catalog at the time a student is initially admitted to a particular program of study. A student may elect to meet subsequent regulations cited in a later Graduate Catalog.

### Course Load

The minimum full-time graduate load for a semester is nine credit hours; for each summer term, it is three credit hours. The maximum load is 15 credit hours for a semester and six credit hours for each summer term. Half-time status is four credit hours for the fall and spring semesters.

A graduate assistant may not exceed 13 credit hours credit during a regular semester.

A student who wishes to change a course load after registration by adding or dropping a course may do so only by completing an official drop/add form.

### Course Numbering

Course numbers 600s and 800s preceding a title mean the course can be taken for graduate credit only.

### Final Examinations

Any student with more than two final examinations scheduled on any one date is entitled to have the examination for the class with the lowest catalog number rescheduled at another time during the final examination period. If a suitable arrangement cannot be made between the student and the instructor, then the next highest number may be rescheduled. In case the lowest number is shared by more than one course, the one whose department prefix is first alphabetically will be rescheduled. The option to reschedule must be exercised in writing to the appropriate instructor two weeks prior to the last class meeting.

### Grade Repeat Policy

Graduate students are permitted to repeat any course regardless of the grade received. Only the grade received on the last attempt is computed in the cumulative GPA. The credit hours will be counted only once toward meeting the program requirements. The policy is not retroactive.

### Grading System

The faculty evaluates the work done by the graduate student on the following scale:

- A Superior work.
- B Average.
- C Below average, but counts as graduate credit.
- D No credit allowed; computed as zero quality points in GPA calculation.
- E No credit allowed; computed as zero quality points in GPA calculation. This grade is given to a student who completed the course and earned a failing grade.
- I Work not completed by semester's end, does not compute in the GPA for the current term and credit hours or quality points earned. This grade is given only when a student has completed all but a small amount of coursework due to illness or other significant extenuating circumstances (refer to UAR 108). Incompletes must be made up by midterm the following

semester (summer term excluded). If course requirements are not completed by midterm of the following semester, the "I" grade becomes a failing grade. Instructors must file an Incomplete Grade Form in the College Dean's office. When entering a grade of "I" for the term, you must enter an expiration date. The expiration date for the spring term is Oct. 15.

- |    |   |
|----|---|
| IP | In progress. This grade is to be assigned to any 670 (Directed Research), 699 (Thesis) or 676 (Directed Study) Course <b>ONLY</b> .   |
| K  | Credit, pass-fail course - credit hours earned; no quality points and not computed in GPA. This grade is given when a student passes a pass-fail course.  |
| N  | Failure, pass-fail course - no quality points; computed in the GPA.   |
| U  | Unofficial withdrawal. Computed as credits attempted; computed as zero quality points in GPA calculation. Given to a student who stopped attending the course, did not complete the course and did not officially withdraw from the course. |
| W  | Withdrew officially. No hours attempted; not computed in GPA.   |
| WY | Withdrawal from audit class. Not computed in GPA.   |
| Y  | Audit credit. No hours attempted; not computed in GPA; not applicable to degree program.  |

The "I" mark provides one-half semester for completion of coursework that cannot, because of extenuating circumstances, be completed by the end of the term. If the course requirements are not finished by midterm of the next semester, the "I" mark will be changed to a failing grade.

An "IP" grade is used to denote the continuation of an applied project, thesis, or major research project undertaken in lieu of a thesis. The "IP" grade may also be utilized for a three-hour 670 numbered research course that cannot be finished in one or one-and-a-half semesters. The "IP" grade must be changed to either a letter grade or "W" within the program time limit allowed for completion of a graduate degree or non-degree program. If the student is enrolled in more than one graduate program, the specific graduate degree or non-degree program that is to be completed must have no classes assigned the grade of either "I" or "IP" for the student to be awarded the degree or non-degree. An "IP" grade will remain a neutral factor in determining a student's GPA. The following graduate grades are counted in computing the GPA: A, B, C, D, E, I and U. It is recommended the "Y" audit credit be utilized for students who wish to pursue graduate credit for professional development.

## Withdrawals

To withdraw from the University, a student must complete a withdrawal form with the Office of the Registrar. It is important for a student's academic record to reflect an official withdrawal; entitled refunds are not made unless the withdrawal is properly recorded. If a portion of your account was paid by federal financial aid, you may have to repay a portion of these funds to the University. Please review the Return of Title IV Funds Policy for more information. To print a withdrawal form, visit [www.moreheadstate.edu/registrar](http://www.moreheadstate.edu/registrar) and select "Forms."

Withdrawals can be faxed to 606-783-9103, emailed to [registrar@moreheadstate.edu](mailto:registrar@moreheadstate.edu) or mailed:

Office of the Registrar  
Morehead State University  
201 Ginger Hall  
Morehead, KY 40351

## Medical Withdrawal Policy

The purpose of the Medical Withdrawal Policy (UAR 130.01) is to provide guidelines and procedures for graduate and undergraduate students who have exceptional health circumstances that require withdrawal from the University after the normal withdrawal period. To print the Request for Medical Withdrawal form, visit [www.moreheadstate.edu/academicprograms](http://www.moreheadstate.edu/academicprograms). If you are unable to access the form electronically or need additional assistance, contact Academic Programs at 606-783-2003 or e-mail [ap@moreheadstate.edu](mailto:ap@moreheadstate.edu).

## Applying for Certification/Non-degree

The student must file an application for completion of a nondegree certification program in the Graduate School, 701 Ginger Hall or online at [www.moreheadstate.edu/completion.aspx](http://www.moreheadstate.edu/completion.aspx). It is expected that this be done at the beginning of the term in which the student plans to complete the program. Final determination of the student's eligibility rests with the certifying agency at the time of application.

## Applying for Degree

Graduate students must file an application for the doctorate, masters or education specialist degree before his or her name will be placed on the list of graduates. This application can be found online or in the Graduate School, 701 Ginger Hall.

In order to avoid a late fee, degree applications for spring and summer terms must be completed by March 15 and degree applications for the fall term must be completed by October 15. There is a \$20 graduation fee, which must be paid by the degree candidate prior to graduation. For students applying for degree after the deadline, the fee is \$30.

To register for graduation:

- Contact Accounting and Financial Services at 606-783-2019 to pay the application fee.
- Complete the online graduate graduation application at [www.moreheadstate.edu/completion.aspx](http://www.moreheadstate.edu/completion.aspx).
- Once the application has been submitted, an e-mail notification is sent to the Graduate School. Students will also receive a confirmation e-mail.

Commencement is observed two times during the academic year. Ceremonies are held at the end of the fall and spring terms. For additional information regarding graduation and commencement, contact the Graduate School at 606-783-2039.

## Commencement

Commencement exercises are held at the close of the fall and spring semesters. All students who have met degree requirements are expected to participate in the graduation exercises unless given prior permission to be absent. Forms for requesting permission to graduate in absentia are available in the Office of the Registrar, located in 201 Ginger Hall. For additional information related to commencement visit [www.moreheadstate.edu/graduation](http://www.moreheadstate.edu/graduation).

## Comprehensive Exit Examination

The student must pass a final comprehensive examination oral and/or written in the field of study. This examination will include the defense of the student's thesis, if one is written. For further information, contact the appropriate program coordinator or department chair.

## Course Substitution

The Course Substitution Form is to be used when a student wishes to take a different MSU course than the one listed on the Program Evaluation. The student meets with the advisor prior to taking the course. They review the course to be substituted. The advisor, department chair and graduate dean must sign the form for approval to be granted. The course to be substituted must carry a mark of "B" or better, and must be relevant to the required course listed on the Program Evaluation.

## Degree/Non-degree Requirements

The University requirements for all education specialists, master's/non-degrees are:

1. A minimum of 30-graduate credit hours without a thesis, or 24-graduate credit hours with an acceptable thesis. Most programs are more than 30 hours. For the education specialist program, a minimum of 60 hours including the master's degree must be completed.
2. No credit earned by correspondence or through testing programs may be applied to the requirements for the master's degree, Ed.S., and non-degree programs.
3. Residence credit is given for all MSU coursework completed on the campus or at the regional campus centers. Not more than nine hours of approved transferred work will be accepted toward the minimum requirements for the master's degree, Ed.S., or non-degree programs.
4. Fifty percent of the total coursework (minimum of 15 hours) must be earned in one field of study.
5. At least 50 percent of the coursework toward a graduate degree or non-degree program must be earned through instruction at Morehead State University.
6. A minimum cumulative GPA of 3.0 is required for the degree or non-degree, and no credit is allowed for a mark below "C."
7. A maximum of nine credit hours may be earned through independent study, directed study, special problems or workshops.
8. Satisfactory completion of a comprehensive exit examination. For specific requirements of a particular program (which may go beyond the minimum), consult the section on the appropriate program.
9. Must be unconditionally admitted to the program.

## Proficiency Evaluation for Teacher Certification

Experienced teachers seeking certification in an additional content area or for another grade level may request a proficiency evaluation to determine their eligibility. This is an individualized process during which appropriate University faculty will review an applicant's prior education, school-based professional development, experience, and/or other specialized training. The applicant is required to provide documentation of mastery of the

critical competencies required of candidates completing the program of preparation in the field for which certification is being sought. This documentation can take a variety of forms including academic transcripts, records of in-service training, certificates, letters, work products and other documents.

An applicant requesting a proficiency evaluation must obtain the proficiency evaluation form from the graduate office and submit it with a letter of application, which briefly states the basis for applicant claim of eligibility for additional certification, to the chair of the department which houses the desired certification program. The applicant will meet with the chair who will conduct a preliminary review to determine eligibility. As a guide in conducting this evaluation, the chair will list on the evaluation form the core university courses required of candidates typically obtaining the desired certification. This list of courses is intended to serve as a guideline for assessing the core competencies addressed within each course.

In this process, the applicant is expected to demonstrate these competencies and not necessarily equivalences of work done in courses. Based on the guidelines provided in this meeting and outlined on the evaluation form, the applicant will develop an array of evidence aligned with the required competencies. Upon submission of the evidence, the chair person will refer the applicant and the evidence to faculty member(s) with appropriate expertise who will review the applicant's material, request further documentation (if needed), and identify any areas of deficiency that must be addressed to obtain the requested certification.

The designated faculty member(s) will summarize the results of this process on the proficiency evaluation form. Additionally, transcripts, documentation of experience and faculty reviews of applicant's other supporting evidence (summarized in written memoranda) must be attached to the application. The faculty member(s) shall then submit the completed form and all supporting material to the appropriate department chair who will review and forward all materials to the Graduate School.

If the chair does not concur with the faculty assessment of the applicant's competencies, the chair will meet with the applicant and the relevant faculty member(s) to resolve any concerns and finalize the proficiency evaluation. In the event that the applicant disagrees with the results of the review, and this dispute cannot be resolved in meeting with the appropriate chair and the involved faculty member(s), the applicant may file a Student Grievance Form through the Office of the Provost.

From that point forward, the procedures for resolving an academic grievance outlined elsewhere in this catalog will be followed. Upon completion of all identified deficiencies and successful completion of the required PRAXIS examination(s), the graduate certification officer will submit a recommendation for the requested certification to the Education Professional Standards Board. The applicant must have received a grade of at least a "C" in any undergraduate course or at least a "B" in any graduate class that is used to demonstrate competency for a proficiency review. Since proficiency evaluation is not part of a degree program, the University's typical limitation on the number of transfer credit hours will not apply to a proficiency evaluation. Successful proficiency evaluations will not be accepted in lieu of required coursework in graduate programs.

## Rank I Change Requests

To qualify for a Rank I recommendation, the student must have 30 credit hours of approved graduate credit in addition to Rank II or 60 credit hours of approved graduate credit including a master's

degree. The student must be admitted to an EPSB-approved graduate program and coursework must lead to completion of that program.

For students wanting to obtain a Rank I change outside of an EPSB-approved program, contact should be made with the Kentucky Education Professional Standards Board (EPSB). The rank change would be subject to approval by that agency.

## Thesis

Prior to beginning work on a thesis, the student should obtain a copy of the official guidelines from the Graduate School, located in 701 Ginger Hall or online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate).

After you have successfully completed the thesis defense and no later than two weeks before the degree is to be conferred, upload the **final** copy of the thesis and the "Committee Approval to Review Graduate These or Applied Project" form to ProQuest. The link to ProQuest is [www.etdadmin.com](http://www.etdadmin.com).

## University Services

### Alumni Association

The mission of the Morehead State Alumni Association is to support the commitment of MSU to excellence in its academic and athletic programs, participate in the efforts of the University to attract outstanding students, and develop permanent friends and loyal supporters of the University.

Active membership in the MSU Alumni Association is available to all graduates and former students who make an annual contribution of \$25 or more to the MSU Foundation Inc.

All graduates receive the official University Alumni Magazine, Statement, as well as the monthly e-newsletter e-Statement. In addition to these publications, active members receive several benefits such as discounts at the University Bookstore and discounted membership at the Recreation and Wellness Center, alumni scholarship eligibility for children, grandchildren, or the student's spouse and invitations to special events and activities.

The Alumni Association plans several annual events in an effort to engage all MSU alumni in a mutually beneficial, lifelong connection to each other, their school, and the University, and encourage alumni support and guidance to advance MSU for future generations. For more information, visit [www.moreheadstate.edu/alumni](http://www.moreheadstate.edu/alumni).

### Automobile Registration

A valid Morehead State University parking permit is required for any motor vehicle or motorcycle operated on the campus. Registration information is available from the Traffic Office of the MSU Police Department, 100 Laughlin Health Building, 606-783-2220 or online at [www.moreheadstate.edu/police](http://www.moreheadstate.edu/police).

### Camden-Carroll Library

Camden-Carroll Library is the information center of Morehead State University. The library's collection of books, journals, newspapers and government documents, in both print and electronic format, support the University's curriculum and provide a wealth of materials to meet students' research, recreational and personal enrichment needs. The library has public workstations located throughout the building to afford students access to a large variety of Web-based resources, including the most relevant online journals and databases.

The goal of the Camden-Carroll Library is to promote information literacy skills, which include the ability to find, evaluate and use information effectively and ethically. The reference staff provides students with one-on-one help searching for and finding materials in the library and online, in person or remotely through virtual chat or email. Instructional services staff provides subject and assignment specific instruction for individual classes and also conducts building tours. The library also offers two courses to help students improve these skills: LSIM 101: Introduction to Library Research and LSIM 201: Living in an Information Society. Through its interlibrary loan services, the library participates in state and national resource-sharing networks to deliver materials not held in Camden-Carroll Library. This includes print materials and electronic delivery of certain items.

The Regional Campus Library Services office is responsible for providing research, document delivery and instructional services to faculty and students in any of MSU's regional campuses, distance learning or internet programs.

The Learning Resource Center (LRC) is a multi-media center containing computer software, video recordings and DVDs, audio cassettes and CDs, kits and teaching aids, as well as children's literature and a preschool-grade 12 collection of textbooks and curriculum guides.

The Learning Technology Lab consists of workstations providing hardware and software for creating computer graphics, websites and presentations. The lab includes color scanners, digital cameras, video capture/edit capability, color printers and a wide variety of software packages. Staff is on hand to assist students with their technology needs.

The library is open seven days a week when classes are in session. Call 606-783-2200 to request services. For more information visit [www.moreheadstate.edu/library](http://www.moreheadstate.edu/library).

## Counseling and Health Services

The Office of Counseling and Health Services (CHS), located on the first floor of Allie Young Hall, provides MSU students with both psychological and physical health services. Insurance is accepted in both the health and counseling areas. Please bring a copy of your current insurance with you when you visit the clinic. [www.moreheadstate.edu/ucc](http://www.moreheadstate.edu/ucc).

## Distance Education and Instructional Design

Morehead State University offers numerous distance education classes to students in the region through advanced technology. Students earn credit toward a degree by interacting with their peers and professors through interactive compressed video (ITV) and Internet classes. For more information on the courses available through distance education, contact the Office of Distance Education and Instruction Design, 100 Camden Carroll Library, 606-783-2140 or 800-585-6781, option #3.

## Regional Campus System

Morehead State University maintains regional campus centers in Ashland, Mt. Sterling, and Prestonsburg. Courses are also offered at the University Center of the Mountains-Hazard, for the purpose of providing higher education access to place-bound and time-bound students who are geographically remote from the Morehead Campus.

### **MSU at Ashland**

1400 College Drive, Suite L272  
Ashland, KY 41101  
606-783-2901  
606-327-1777  
800-648-5370  
[www.moreheadstate.edu/ashland](http://www.moreheadstate.edu/ashland)

### **MSU at Mt. Sterling**

Clay Community Center  
3400 Indian Mound Drive  
Mt. Sterling, KY 40353  
606-783-2078  
859-499-0780  
866-870-0809  
[www.moreheadstate.edu/mtsterling](http://www.moreheadstate.edu/mtsterling)

### **MSU at Prestonsburg**

6 Bert Combs Drive  
Prestonsburg, KY 41653  
606-783-5421  
606-886-2405  
800-648-5372  
[www.moreheadstate.edu/prestonsburg](http://www.moreheadstate.edu/prestonsburg)

### **MSU at West Liberty**

155 University Drive  
West Liberty, KY 41472-0190  
606-783-5381  
606-743-1500  
800-648-5371  
[www.moreheadstate.edu/westliberty](http://www.moreheadstate.edu/westliberty)

### **University Center of the Mountains**

Hazard Community and Technical College  
J. Marvin Jolly Classroom Center  
1 Community College Drive, Hwy 15  
Hazard, KY 41701  
606-487-3182  
800-246-7521 ext. 73182  
[www.moreheadstate.edu/ucm](http://www.moreheadstate.edu/ucm)

## **International Student Health Insurance Requirements**

MSU requires regularly enrolled international students, and those dependent family members living with them in the country, to have health and accident insurance that includes a repatriation benefit. A medical benefits plan for international students is offered through a contracted agent. International students must meet the insurance requirements to complete their enrollment at Morehead State University. The Office of Counseling and Health Services monitors compliance to this program and assists international students with questions relating to health insurance. It is our experience that most health benefit policies students obtain in their home countries do not meet the minimum requirement of benefits required by the University. These requirements are a \$250,000 medical benefit (per accident/illness), \$50,000 medical evacuation benefit and a \$25,000 repatriation benefit in addition to the policy maximum. For the University to consider a waiver of the insurance requirement, students must present an English translation of benefits with amounts converted to American currency from the insurance company. Premiums are paid on an annual basis.

## **Student Activities, Inclusion and Leadership Development (SAIL)**

The Office of Student Activities, Inclusion and Leadership Development provides a wide range of support services, programs and activities aimed at the academic, cultural, social, emotional and professional development of students. SAIL is committed to creating an environment that encourages the intellectual, professional, and cultural growth of all Morehead State University students. Specific programming efforts include cultural awareness, leadership development, professional development, intellectual development, social development, academic success and retention.

The Office of Student Activities, Inclusion and Leadership Development is located on the second floor of the Adron Doran University Center. For additional information, call 606-783-2071. [www.moreheadstate.edu/activities](http://www.moreheadstate.edu/activities).

## **Student Publications**

*Inscape*, the biannual literary magazine, solicits poetry, prose and other creative writing and artwork from University students. Visit *Inscape* online at: [www.moreheadstate.edu/inscape](http://www.moreheadstate.edu/inscape).

## **Student Trip Insurance**

Student trip insurance is available for students accompanying faculty and staff on University-sponsored field trips. The cost is minimal and all applicable students are strongly encouraged to obtain this coverage prior to the date of departure.

Trip insurance is available from the Office of Environmental Health and Safety. Application forms may be obtained by calling 606-783-2179. The completed application form must be returned to the Office of Environmental Health and Safety a minimum of 72 hours prior to the date coverage is to become effective. For students traveling outside the country, international travel identification cards may also be obtained through the Office of Environmental Health and Safety.

## **Technology Resources**

Morehead State University, through the Office of Information Technology, provides a variety of computing resources in support of instructional, administrative, alumni and research activities. Several dozen servers are maintained to support Web, email and other academic and administrative functions. More than 2,500 microcomputers located in classrooms, labs and offices are replaced on a regular cycle to maintain state-of-the-art desktop technology across campus.

The University maintains networked student labs/classroom facilities available to students throughout the campus. All instructional facilities, residence hall rooms and administrative facilities are attached to a campus telecommunications backbone that provides high-speed data access to local, state, national and international networks through the Internet. Additionally, all classroom buildings and selected commons areas across campus provide secure wireless access to the high-speed backbone. Access to student services such as course registration, financial aid processing and fee payments is available to students and prospective students through the campus portal at [my.moreheadstate.edu](http://my.moreheadstate.edu).

Other technology resources available to students include free voice mail (upon request) and email service, as well as free local phone service and digital cable television services to students living in a residence hall.

## Testing Center

The Testing Center provides information and testing services to the University and the service region. Information and registration materials on the American College Testing (ACT), Graduate Record Examination (GRE), the PRAXIS Series, the School Leadership Series, the Kentucky Principal Test, the Graduate Management Admission Test (GMAT), the Miller Analogies Test (MAT) and the Law School Admission Test (LSAT) may be obtained by contacting the Testing Center, 501A Ginger Hall, 606-783-2526.

[www.moreheadstate.edu/testing](http://www.moreheadstate.edu/testing).

Information on credit for prior learning may be obtained by contacting the Office of Adult Education and College Access, 211 Education Service Bldg., 606-783-2005 or visit [www.moreheadstate.edu/collegeaccess](http://www.moreheadstate.edu/collegeaccess).

## Cooperative Doctoral Program with the University of Kentucky

Morehead State University and the University of Kentucky have an agreement whereby students desiring to pursue a doctorate degree at the University of Kentucky may, upon being admitted jointly by both institutions, complete up to one year of their coursework at Morehead State University.

A joint screening committee, composed of members from both institutions, will decide upon the applicant's eligibility. To be admitted to the program, the applicant must meet the requirements for admission to the doctoral program both at Morehead State University and the University of Kentucky.

After admission to the program, the student will be assigned to a doctoral committee composed of faculty members from both institutions and will be permitted to do approximately one year of work on campus at Morehead State.

The Cooperative Ed.D. is offered in Educational Policy Studies and Evaluation, Administration and Supervision, Kinesiology and Health Promotion and Special Education and Rehabilitation Counseling.

For additional information contact:  
The Graduate School  
606-783-2039

## University of Kentucky Cooperative Master's Program

MSU hosts a cooperative master's degree program with the University of Kentucky: The Nurse Practitioner Program.

Admission information regarding the program can be obtained by calling the student services officer at 606-783-2636.

# Administrative Policies and Procedures

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## Academic Grievance Procedure

When a student has an academic dispute with a faculty member over a grade, there are procedures that exist to resolve the complaint in the most satisfactory way for both the student and faculty member. If the complaint involves a final grade, the student must take the complaint to the faculty member within the first two weeks of the beginning of the following semester. This policy requires several steps to complete the process. The entire policy that outlines the process, along with forms that must be completed, may be found at: [www.moreheadstate.edu/provost](http://www.moreheadstate.edu/provost).

An electronic or hard copy of the policy may be obtained by calling the Graduate School at 606-783-2039 if you are unable to review it electronically.

## Academic Honesty Policy

All students at Morehead State University are required to abide by accepted standards of academic honesty. Academic honesty includes doing one's own work, giving credit for the work of others, and using resources appropriately.

### Guidelines for Dealing with Acts of Academic Dishonesty

If a faculty member suspects that a student is guilty of a breach of the standards and chooses to pursue disciplinary action through University channels, the faculty member should:

1. Hold a conference with the student to attempt to address the problem.
2. If the student is determined to be responsible, the faculty member should issue the sanction. The sanction may include failure of a particular assignment or exam, failure of a particular class, or any other appropriate disciplinary action.
3. If a sanction is imposed on the student, then the faculty member is expected to report in writing to the department chair the details of the incident, the results of the student/faculty member conference, and the sanction issued. A copy of this report should be forwarded to the appropriate college dean and to the assistant vice president/dean of students. (The assistant vice president/dean of students is responsible for maintaining and safeguarding all University discipline records and for ensuring their confidentiality. A central record of all acts of academic dishonesty and plagiarism ensures that a student will be held accountable for subsequent violations.)
4. If the assistant vice president/dean of students has previous violations of the code on file for particular student(s), this information is to be sent to the faculty member and department chair.
5. If the faculty member and department chair determine that the severity of the academic dishonesty or the fact or nature of previous violations by the same student(s) warrants further disciplinary action, a request for further action should be made in writing to the assistant vice president/dean of students. The assistant vice president/dean of students will review the

submitted material and hold an investigative hearing with the student(s) involved. At this time, the assistant vice president/dean of students will determine if further disciplinary action is warranted.

6. The assistant vice president/dean of students will report, in writing, any additional disciplinary actions taken to the college dean, the department chair, the provost, the faculty member making the charges, and student(s) being charged.

Nothing in this policy shall prevent or prohibit the student(s) charged from making an appeal of the disciplinary action administered.

## Sexual Harassment Policy

Morehead State University takes seriously the rights of the campus community to be free from sexual harassment in all forms. The Board of Regents has adopted a policy prohibiting sexual harassment across the University that applies to students and employees alike. PG-6 provides detailed procedures for the reporting, investigation, and resolution of all such complaints. Students and employees are urged to become familiar with the policy and to report harassment. To view the Sexual Harassment Policy, visit [www.moreheadstate.edu/hr](http://www.moreheadstate.edu/hr) or contact Human Resources at 606-783-2097 to request an electronic or hard copy of the policy.

## Students' Rights to Access Records

(Buckley Amendment - Public Law 93-380)  
Morehead, Kentucky

This information is provided to notify all students of Morehead State University of the rights and restrictions regarding inspection and release of student records contained in the Family Educational Rights and Privacy Act of 1974 (Public Law 93-380) as amended.

### Definitions

1. "Eligible student" means a student who is 18 years of age or is attending an institution of postsecondary education.
2. "Institution of postsecondary education" means an institution which provides education to students beyond the secondary school level. "Secondary school level" means the educational level (not beyond grade 12), at which secondary education is provided, as determined under state law.
3. "University officials" include any full- or part-time administrators, faculty and staff who are employed by the University, or other person, agency or organizational personnel appointed or contracted with to act on behalf of the University or to carry out the functions necessary to fulfill the purposes of the institution. In addition, students who are serving on a disciplinary board or committee are considered to be "University officials" for purposes of access to education records.
4. "Legitimate educational interest" is based upon a determination that access to the education records is



appropriately needed by the "University official" to perform a responsibility, to evaluate a student, to obtain necessary information, to furnish necessary information or for other similar reasons.

### **I. Students' rights to inspection of records and review thereof:**

1. Any student or former student of Morehead State University has the right to inspect and review any and all "official records, files and data directly related to" the student. The terms "official records, files and data" are defined as including, but not limited to:
  - a. Identifying data
  - b. Academic work completed
  - c. Level of achievement (grades, standardized achievement test scores)
  - d. Attendance data
  - e. Scores on standardized intelligence, aptitude and psychological tests
  - f. Interest inventory results
  - g. Family background information
  - h. Teacher or counselor ratings and observations
  - i. Verified reports of serious or recurrent behavior problems
  - j. Cumulative record folder
2. The institution is not required to make available to students confidential letters of recommendation placed in their files before Jan. 1, 1975.
3. Students do not have the right of access to records maintained by the University's law enforcement officials.
4. Procedures have been established by the University for granting the required access to the records within a reasonable time, not to exceed 45 days from the date of the request.
5. The University shall provide students an opportunity for a hearing to challenge the content of their records to ensure that the records are not inaccurate, misleading or otherwise in violation of the privacy or other rights of the student.

### **Informal Proceedings**

Morehead State University may attempt to settle a dispute with the parent of a student or the eligible student regarding the content of the student's education records through informal meetings and discussions with the parent or eligible student.

### **Formal Proceedings**

Upon the request of either party (the educational institution, the parent or eligible student), the right to a hearing is required. If a student, parent or educational institution requests a hearing, the vice president for student life or his/her designee shall make the necessary arrangements. The hearing will be established according to the procedure delineated by the University.

### **II. Restrictions on the release of student records**

1. Morehead State University will not release records without written consent of the students except to:
  - a. To other local educational officials, including teachers of local educational agencies who have legitimate educational interest;
  - b. To officials of other schools or school systems in which the student intends to enroll, upon the condition that the student be notified of the transfer and receive a copy of the record desired, and have an opportunity to challenge the contents of the records;

- c. To authorized representatives of the Comptroller General of the United States, the Secretary of Health, Education, and Welfare, or an administrative head of an educational agency, in connection with an auditor evaluation of federally supported programs; or
  - d. To parents of dependent students.
2. Morehead State University will not furnish personal records to anyone other than the described above unless:
  - a. Written consent of the student is secured, specifying the records to be released, the reasons for the release, identifying the recipient of the records and furnishing copies of the materials to be released to the student; or
  - b. The information is furnished in compliance with a judicial order or pursuant to a subpoena, upon condition that the student is notified of all such orders or subpoenas in advance of compliance therewith.

### **III. Provisions for students requesting access to records**

The student or former student must file a certified and official request in writing to the registrar of the University for each review.

### **IV. Provisions for authorized personnel requesting access to records**

1. Authorized personnel must provide positive identification and indicate reasons for each request for examination.
2. Authorized personnel who have legitimate educational interests may review students' records, showing cause.
3. Other persons must have specific approval in writing from the student for release of information. This approval must specify the limits (if any) of the request.

If you object to your directory information being released, contact the Division of Student Life, 211 ADUC, for more information.

# Caudill College of Arts, Humanities and Social Sciences

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## M. Scott McBride, Dean

212 Rader Hall

606-783-2650 / Fax: 606-783-5046

Email: s.mcbride@moreheadstate.edu

## Art and Design Department

### Jeanne Petsch, Interim Chair

211 Claypool-Young Art Building

606-783-2193

### Faculty

D. Golding, S. Green, J. Gritton, D. Li, E. Mesa-Gaido, G. Mesa-Gaido, J. Petsch (Interim Chair)

## Art - Master of Arts

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The Master of Arts in Art allows concentrations in three areas: art education, graphic design and studio art. All concentrations require a common core.

### Admission Requirements

1. General admission to graduate study.
2. Completion of an undergraduate major in art or an equivalent experience with the requirement of supplemental courses.
3. Undergraduate GPA in art of 3.0.
4. Minimum combined GRE score of 277 on the verbal and quantitative sections.
5. Submission and approval of art portfolio that supports plans and objectives for the graduate program.

### Portfolio Application Requirements

A complete application consists of:

1. Cover Letter
2. Professional quality resume
3. Statement of Intent (1-2 pages), which thoughtfully and thoroughly addresses the following content:
  - a. Current body of work, including information about applicant's subject matter, media, technique/process, theme/concept, and influences.
  - b. Goals for graduate study and how it will benefit applicant's current work or direction.
  - c. Preparedness for graduate-level study.
  - d. Reasons for choosing MSU's Art & Design program, and applicant's expectations for graduate study.
  - e. Long-term career goals.
4. Digital Portfolio that adheres to the following guidelines:
  - a. Include 20 samples of applicant's work (high quality professional representations), at least 10 of which relate to your current direction, description of your work, and proposed area of study.
  - b. Choose appropriate samples that support applicant's proposed concentration:

- i. Studio Art - a cohesive body of work supporting a clear direction in subject, media, technique, and theme.
  - ii. Graphic Design - diverse samples of print and/or web design, which demonstrates understanding of design theory and practice.
  - iii. Art Education - either a diverse body of work which demonstrates broad skills as an artist and teacher, or a cohesive body of work.
- c. Use one of the following options for submitting work sample:
    - i. Digital presentation in the format of PowerPoint (ppt.) or Adobe Acrobat (pdf.), saved to USB jump drive.
    - ii. A website link.
  - d. With each digital image, include the following information: title, medium(s), size, and year.
  - e. Do not include foundation or beginning level pieces.
  - f. Incomplete applications will not be considered.

### Program Competencies

Students completing the program will be able to:

1. Understand and skillfully apply selected media, techniques, and technology in the production and presentation of artwork.
2. Use knowledge of characteristics of visual art to effectively convey their ideas.
3. Effectively choose and evaluate selected subject matter, symbols and ideas as content for works of art, and develop unified bodies of work.
4. Reflect upon and assess the characteristics and merits of their work in relationship to the visual arts, history, culture and other disciplines.
5. Communicate in a professional setting, in written and oral form, about a unified body of work selected for exhibition.

### Assessment

1. Mid-Program Review before a graduate committee consisting of at least three graduate faculty. At the conclusion of the Mid-Program Review, the candidate will be informed of any deficiencies and how to address them in their subsequent studies.
2. Cohort group critiques.
3. Critical appraisal of the required graduate exhibition and artist's statement by the candidate's graduate committee.
4. Oral exit examination in conjunction with the candidate's final exhibition before the Graduate Committee.

### Program Requirements

#### Core Requirements

ART 677	Graduate Seminar	3
		<b>Subtotal: 3</b>

(ART 677 - one credit hour per semester)

**Art History - Choose three hours from the following:**

ART 631	Individual Art History Studies	1-6
ART 661	18th and 19th Century European and U.S. Art	3
ART 662	20th Century Art	3
ART 663	Arts of the United States	3
ART 664	Spanish, Portuguese and Latin American Art	3
ART 667	Native American Art	3
ART 668	Appalachian Arts	3
ART 672	Ancient Art	3
ART 673	Medieval Art	3
ART 674	Renaissance Art	3
ART 675	Mannerist and Baroque Art	3
ART 681	German Art of the 20th Century	3
ART 682	Contemporary World Art	3

**Subtotal: 3****Drawing - Choose three hours from the following:**

ART 604A	Drawing	3
ART 604	Drawing	3

**Subtotal: 3****Studio and/or Art History - Choose six hours from the following:**

One course/three-credit maximum. See listings under Art History.

ART 604	Drawing	3
ART 604A	Drawing	3
ART 604B	Drawing	3
ART 605	Figure Painting	3
ART 606	Portrait Painting	3
ART 607	Commercial Illustration	3
ART 609	Airbrush	3
ART 610	Computer Art Problems	3
ART 611A	Advanced Computer Art	3
ART 611B	Advanced Computer Art	3
ART 613A	Painting	3
ART 613B	Painting	3
ART 614	Painting Techniques V	3
ART 616	Watercolor	3
ART 646	Ceramics	3
ART 651A	Graduate Printmaking Studio	3
ART 651B	Graduate Printmaking Studio	3
ART 655A	Advanced Ceramics	3
ART 655B	Advanced Ceramics	3
ART 656	Ceramic Sculpture	3
ART 657	Alternative Glazing Techniques	3
ART 687	35MM Photography	3
ART 688A	Photo Studio	3
ART 688B	Photo Studio	3
ART 689	Large Format Photography	3
ART 692	Sculpture: Metal Casting	3
ART 694A	Sculpture	3
ART 694B	Sculpture	3
ART 695	Sculpture Studio	3
ART 698	Selected Topics	1-3

**Subtotal: 6**

Choose one concentration.

**Art Education Concentration**

The Master of Arts in Art Education offers students a customized program designed to further develop the studio, intellectual and professional background of art educators, enabling students to grow as teachers and leaders, achieving advanced goals. A series of graduate courses address historical and contemporary issues in art theory, studio, and art education, bridging the connection between individual artistic process and the creative development through enhanced teaching practices. Drawing on a wide range of

studio areas, over half the program is reserved for work in one or more areas. The program culminates in a graduate art education exhibition and thesis statement that reflects the integration of students' teaching practice and development as artists.

ART 627	Reading in Art Education	3
ART 680	History and Philosophy of Art Education in the United States	3

**Subtotal: 6****Choose nine hours from the following:**

ART 604	Drawing	3
ART 604A	Drawing	3
ART 604B	Drawing	3
ART 605	Figure Painting	3
ART 606	Portrait Painting	3
ART 607	Commercial Illustration	3
ART 608A	Advanced Graphic Design	3
ART 608B	Advanced Graphic Design	3
ART 609	Airbrush	3
ART 610	Computer Art Problems	3
ART 611A	Advanced Computer Art	3
ART 611B	Advanced Computer Art	3
ART 613A	Painting	3
ART 613B	Painting	3
ART 614	Painting Techniques V	3
ART 616	Watercolor	3
ART 630	Individual Art Ed Studies	1-6
ART 632	Individual 2-D Studies	1-6
ART 633	Individual 3-D Studies	1-6
ART 634	Individual Digital Studies	1-6
ART 646	Ceramics	3
ART 651A	Graduate Printmaking Studio	3
ART 651B	Graduate Printmaking Studio	3
ART 655A	Advanced Ceramics	3
ART 655B	Advanced Ceramics	3
ART 656	Ceramic Sculpture	3
ART 657	Alternative Glazing Techniques	3
ART 676	Directed Graduate Study	1-6
ART 687	35MM Photography	3
ART 688A	Photo Studio	3
ART 688B	Photo Studio	3
ART 689	Large Format Photography	3
ART 692	Sculpture: Metal Casting	3
ART 694A	Sculpture	3
ART 694B	Sculpture	3
ART 695	Sculpture Studio	3
ART 698	Selected Topics	1-3

**Subtotal: 9****Graphic Design Concentration**

The Master of Arts in Graphic Design Concentration provides students an opportunity to develop a coherent, investigative and experimental body of work with a focus on methodology, the application of that method to design work, the development of a thoughtfully argued statement, and the organization of students' work in a graduate design exhibition. Advanced levels of coursework in typography, web design, illustration and computer art allows students to customize the program to their specific focus. Students' training and completed portfolios will enable them to begin or continue with their professional design career, or continue on to an M.F.A. design program. The program culminates in a graduate graphic design exhibition and thesis statement that presents students' design work and development as designers.

ART 608A	Advanced Graphic Design	3
ART 608B	Advanced Graphic Design	3

ART 610	Computer Art Problems or	3
ART 611A	Advanced Computer Art	3
<b>Subtotal: 9</b>		

**Choose six hours from the following:**

ART 604	Drawing	3
ART 604A	Drawing	3
ART 604B	Drawing	3
ART 607	Commercial Illustration	3
ART 609	Airbrush	3
ART 610	Computer Art Problems	3
ART 611A	Advanced Computer Art	3
ART 611B	Advanced Computer Art	3
ART 613A	Painting	3
ART 616	Watercolor	3
ART 632	Individual 2-D Studies	1-6
ART 633	Individual 3-D Studies	1-6
ART 634	Individual Digital Studies	1-6
ART 651A	Graduate Printmaking Studio	3
ART 651B	Graduate Printmaking Studio	3
ART 676	Directed Graduate Study	1-6
ART 688A	Photo Studio	3
ART 688B	Photo Studio	3
ART 689	Large Format Photography	3
ART 698	Selected Topics	1-3
<b>Subtotal: 6</b>		

**Studio Art Concentration**

The Master of Arts in Studio Art Concentration offers students professional training for independent, self-directed visual artists. This concentration offers students progressive coursework in their chosen media and critical studio theory. Students can focus on a particular area or combine several art areas, including ceramics, computer art, drawing, painting, photography, printmaking, and sculpture. This concentration is intended for students who desire graduate-level coursework that prepares them for various art-related careers and/or further advanced studies in art, such as an M.F.A. program. The program culminates in a graduate studio exhibition and thesis statement that relates to the students' artwork and development as an artist.

**Choose 15 hours from the following:**

ART 604	Drawing	3
ART 604A	Drawing	3
ART 604B	Drawing	3
ART 605	Figure Painting	3
ART 606	Portrait Painting	3
ART 607	Commercial Illustration	3
ART 608A	Advanced Graphic Design	3
ART 608B	Advanced Graphic Design	3
ART 609	Airbrush	3
ART 610	Computer Art Problems	3
ART 611A	Advanced Computer Art	3
ART 611B	Advanced Computer Art	3
ART 613A	Painting	3
ART 613B	Painting	3
ART 614	Painting Techniques V	3
ART 616	Watercolor	3
ART 632	Individual 2-D Studies	1-6
ART 633	Individual 3-D Studies	1-6
ART 634	Individual Digital Studies	1-6
ART 646	Ceramics	3
ART 651A	Graduate Printmaking Studio	3
ART 651B	Graduate Printmaking Studio	3
ART 655A	Advanced Ceramics	3
ART 655B	Advanced Ceramics	3
ART 656	Ceramic Sculpture	3

ART 657	Alternative Glazing Techniques	3
ART 676	Directed Graduate Study	1-6
ART 687	35MM Photography	3
ART 688A	Photo Studio	3
ART 688B	Photo Studio	3
ART 689	Large Format Photography	3
ART 692	Sculpture: Metal Casting	3
ART 694A	Sculpture	3
ART 694B	Sculpture	3
ART 695	Sculpture Studio	3
ART 698	Selected Topics	1-3
<b>Subtotal: 15</b>		

**Total Credit Hours: 30**

## Communication, Media and Languages Department

**Keith Terry, Chair**

111 Breckinridge Hall  
606-783-2134

**Communication and Media Faculty**

L. Albert, A. Andaloro, T. Creekmore, N. Earl, J. Flavell, J. Hill, G. LaFleur, R. Manis, C. Merritt, S. Middleton, J. Modaff, D. Murray, D. Plum, K. Terry (Chair), C. Thomas

**Languages Faculty**

S. Alloway, A. Holan, P. Krummrich, K. Taylor, I. Zavala-Garrett

## Communication - Master of Arts

The Master of Arts in Communication is a "generalist" (nonspecialized) degree with two options: thesis and non-thesis. The program is 100 percent online and can be completed in as little as twelve months. The pace required to achieve a one-year cycle typically mandates full-time graduate student status and is very challenging.

**Admission Requirements**

1. General admission to graduate study.
2. GRE score multiplied by undergraduate cumulative GPA must meet or exceed 781 (a minimum of 163 on the GRE verbal section). The candidate may forego the GRE if:
  - a. the applicant provides documentation of a completed Master of Arts degree from a regionally accredited school, or
  - b. the applicant has completed 9 hours of graduate work at MSU with a GPA of 4.0.
3. Applicants must have a bachelor's degree in communication or another related field. Undergraduate courses may be required in cases where the undergraduate degree is deemed too far afield.
4. GRE and TOEFL (for students who speak English as a foreign language) must be completed prior to admission to the program. Minimum TOEFL score of 525.

**Program Competencies**

Students must demonstrate competency in the following areas:

1. Qualitative research methods
2. Communication theory
3. Graduate-level writing
4. Bibliographic research
5. Integration, synthesis and application of course concepts

## Assessment

To complete the Master of Arts in Communication, candidates will present to the entire graduate faculty in communication the contents of a "graduate portfolio," including at least one major paper from each of our three core courses and any additional materials the student would like to include.

A one-hour in-person telecommunicated interview (using Blackboard, Skype or phone) will be conducted with the candidate by all members of the graduate faculty, facilitated by the graduate advisor.

The details of the portfolio process are on the program's Blackboard website, which is where the students will maintain their portfolios.

Course grades plus the results of the exit assessment are combined to determine an assessment of the student's performance. Courses use the common letter grade scale. The exit assessment is pass/fail.

**Note:** To receive program credit, all students must receive a grade of "A" or "B" in core courses. No credit is allowed in any other course for a grade below "C." Students who fail the exit assessment are able to retake it only once at the end of the same semester as the original examination. Subsequent retakes must be scheduled for the end of the following semester.

## Requirements for the Degree

1. Satisfy general degree requirements.
2. Must be unconditionally admitted.

This degree requires 30 hours of coursework. Nine hours are required "core courses". The remaining hours are selected based on student/advisor collaboration. Students doing the "non-thesis" option are able to take up to six graduate credit hours in an area of interest outside of the department. Consult your advisor on this matter.

## Program Requirements - Communication M.A.: Non-thesis

### Required Core

COMM 600	Research Methods in Communication	3
COMM 605	Communication Theory	3
COMM 610	Bibliographic Research and Writing	3
		<b>Subtotal: 9</b>

### Non-thesis Electives

Non-thesis students may take up to six hours of elective coursework outside of the Department of Communication, Media and Leadership Studies. Such courses are to be selected with the approval of the academic advisor.

**Subtotal: 21**

## Program Requirements - Communication M.A.: Thesis

### Required Core

COMM 600	Research Methods in Communication	3
COMM 605	Communication Theory	3
COMM 610	Bibliographic Research and Writing	3
		<b>Subtotal: 9</b>

### Electives

COMM 611	Advanced Public Speaking	3
COMM 650	Intercultural Communication	3
COMM 662	Media Criticism	3
COMM 665	Organizational Behavior	3

COMM 667	Organizational Communication	3
COMM 682	American Popular Culture and Communication Technology	3
COMM 683	Advanced Small Group Communication	3
COMM 621	Special Topics in Communication	3
COMM 647	Internship	1-3
COMM 670	Directed Research	1-3

**Subtotal: 15**

COMM 621 may be taken twice in addition to core.

COMM 647 and COMM 670 may not be repeated.

### Thesis

COMM 699	Thesis	6
		<b>Subtotal: 6</b>

**Total Credit Hours: 30**

## English Department

**Tom Williams, Chair**

103 Combs Building

606-783-2741

### Faculty

A. Adams, K. Carlson, G. Colburn, G. Eklund, M. Graves, F. Helphinstine, S. Henneberg, C. Holbrook, R. Morrison, S. Morrison, L. Neeper, R. Royar

## English - Master of Arts

### Admission Requirements

1. General admission to graduate study.
2. Completion of an undergraduate major or minor in English.
3. A minimum GPA of 3.0 on all undergraduate English courses above the freshman level, to have included 12 credits of upper division English and American literature courses.
4. One of the following:
  - a. A minimum score of 146 verbal section and 140 quantitative section of the GRE.
  - b. Students may circumvent taking the GRE and will be unconditionally admitted if, after completing 12 credit hours at MSU in English, which must include a required Major Author course, they achieve an MSU GPA of 3.75 or higher, with no grade lower than "B."
  - c. If students fail to achieve a 3.75 after completing 12 credit hours at MSU in English, which must include a Major Author course, or receive a grade lower than "B," they have the option of taking the GRE, and if student then meet the English MA program's GRE cut scores, they will be granted unconditional admission.

### Program Competencies

All students are expected to demonstrate:

1. Mastery of research methods.
2. Mastery of major periods in British and American literature.
3. Command of literary terminology.
4. Ability to write about literary texts at a sophisticated level from a definable critical approach.
5. Command of linguistic techniques.
6. Mastery of the conventions of the critical essay.

**Assessment**

1. Research Exam, taken in Major Author course (competency 1)
2. Embedded Course Documents (competencies 4, 5, and 6)
3. \*M.A. Exam (competencies 2 and 3)
4. (Optional) Critical or Creative Thesis Defense (*The MA in English exam is a three-hour essay exam offered twice yearly, April and November. No student may take the examination more than twice.*)

**Requirements for the Degree**

1. Satisfy general degree requirements.
2. Maintain a 3.0 GPA in all English courses; a maximum of two "Cs" will be accepted for credit toward the degree. *No student with a current GPA below 3.0 may sit for the M.A. in English Exit Examination.*
3. Satisfactory performance on the M.A. in English examination. (No student may take the exam more than twice.)
4. A minimum of 33 graduate credit hours, with at least 27 hours in English and no more than six hours in one other field. The 27 graduate credit hours in English are to include the following minimum requirements: three hours in writing, three hours in linguistics, and 12 hours in literature, with at least three hours in British and three hours in American literature. Only three hours of ENG 676 may count toward the completion of the M.A. program in English.
5. Thesis option: in place of two elective graduate courses, students may complete a thesis (six hours) and an oral defense.

**Program Requirements****Required Core****Major Author - Choose three hours from list below:**

ENG 634	Chaucer	3
ENG 635	Topics in Shakespeare	3
ENG 636	Major American Author	3
ENG 637	Major British Author	3
ENG 638	Milton	3
		<b>Subtotal: 3</b>

**Writing - Choose three hours from list below:**

ENG 612	Theories of Teaching Writing	3
ENG 683	Advanced Poetry Writing	3
ENG 684	Advanced Fiction Writing	3
ENG 690	Technical Writing	3
		<b>Subtotal: 3</b>

**Linguistics - Choose three hours from list below:**

ENG 601	Semantics	3
ENG 604	Linguistics: Grammar	3
ENG 680	English Syntax	3
ENG 685	Psycholinguistics	3
ENG 697	Sociolinguistics	3
		<b>Subtotal: 3</b>

**American Literature - Choose three hours from list below:**

ENG 619	American Renaissance	3
ENG 620	American Poetry	3
ENG 622	American Novels	3
ENG 624	American Literature in Perspective	3
ENG 636	Major American Author	3
ENG 639	African-American Literature	3
ENG 661	Studies in American Literary Periods	3
ENG 663	American Fiction	3
		<b>Subtotal: 3</b>

**British Literature - Choose three hours from list below:**

ENG 630	Topics in British Literature	3
ENG 632	The British Novel	3
ENG 633	Old English Literature	3
ENG 634	Chaucer	3
ENG 635	Topics in Shakespeare	3
ENG 637	Major British Author	3
ENG 638	Milton	3
ENG 645	Renaissance Literature	3
ENG 647	Restoration and Eighteenth Century British Literature	3
ENG 648	Romantic Period	3
ENG 650	Victorian Period	3
ENG 652	Twentieth Century British Literature	3
		<b>Subtotal: 3</b>

**Additional Literature - Choose six hours from list below:**

ENG 619	American Renaissance	3
ENG 620	American Poetry	3
ENG 622	American Novels	3
ENG 624	American Literature in Perspective	3
ENG 628	Literary Theory	3
ENG 630	Topics in British Literature	3
ENG 632	The British Novel	3
ENG 633	Old English Literature	3
ENG 634	Chaucer	3
ENG 635	Topics in Shakespeare	3
ENG 636	Major American Author	3
ENG 637	Major British Author	3
ENG 638	Milton	3
ENG 645	Renaissance Literature	3
ENG 647	Restoration and Eighteenth Century British Literature	3
ENG 648	Romantic Period	3
ENG 650	Victorian Period	3
ENG 652	Twentieth Century British Literature	3
ENG 653	Modern Drama	3
ENG 655	Early Dramatic Literature	3
ENG 661	Studies in American Literary Periods	3
ENG 663	American Fiction	3
ENG 666	Contemporary Literature	3
ENG 670	Film Literature	3
		<b>Subtotal: 6</b>

**Electives**

Six hours from ENG	6
<b>Subtotal: 6</b>	

**Complete one of the following groups:**

<b>Thesis</b>		
ENG 699	Thesis	6
		<b>Subtotal: 6</b>

**Nonthesis**

Six hours from any department	6
<hr/>	
	<b>Subtotal: 6</b>

**Total Credit Hours: 33**

## History, Philosophy, International and Legal Studies Department

Scott A Davison, Chair

354 Rader Hall

606-783-2655

Students enrolled in other graduate programs may, with advisor approval, enroll in support courses offered by the department. Courses are listed in the description of courses section.

### Social Sciences - Master of Arts

#### Faculty

R. Berglee, R. Caric, V. Craig, J. Holcomb, P. Krummrich, G. O'Dell, J. Secor

#### Admission Requirements

1. General admission to graduate study and a minimum undergraduate GPA of 2.5.
2. Completion of an undergraduate major or minor in geography, government or political science, history, social studies teaching, sociology, paralegal studies, women's studies, psychology, anthropology, economics, international studies or allied discipline. All applicants are required to submit official transcripts showing relevant coursework and grades received.
3. Two letters of recommendation are required, and at least one should be from a professional familiar with the applicant's academic ability. Also, applicants must submit a one-page (single-spaced) statement outlining their career goals and objectives as they relate to the program.
4. Upon discretion of the admissions committee, conditional admission may be granted to applicants who otherwise show promise, but whose undergraduate GPA is below the general admission requirements for the program. Students who are admitted on a conditional basis are eligible for full admission if they achieve a 3.0 GPA after 12 hours of coursework in the program. General admission to graduate study is still required in any case of provisional admission to the program.
5. International students must take the Test of English as a Foreign Language (TOEFL). A score of 525 is required for program admission. International students are required by INS regulations to be enrolled in a minimum of six hours of on-campus classroom courses each semester.
6. Application materials must be submitted by July 24 for fall semester admission and November 23 for spring semester admission, and April 23 for summer semester admission.

#### Maintaining Enrollment in the Program

For program enrollment, students are expected to maintain an appropriate level of academic performance and keep a minimum cumulative GPA of 3.0 to graduate. Any student receiving two "Cs" (or below) will be placed on probation. If a student on probation receives a third grade of "C" or below, he or she will be dismissed from the program. Student progress will be monitored by a graduate committee consisting of four graduate faculty members.

#### Program Competencies

Upon successful completion, M.A. in Social Sciences students are expected to:

1. Demonstrate familiarity with social science theories, concepts, issues, and their application, especially within the disciplines of geography, history and sociology.

2. Apply discipline-specific concepts to real-world scenarios in ways that show critical understanding of social issues.

#### Assessment

1. In each class in the program, students are expected to achieve a minimum grade of "B"; thereby, maintaining a minimum program GPA of 3.0.
2. Selected student competencies will be assessed in each course of the student's program.
3. Students pursuing a non-thesis master's degree must pass written and oral exit exams. Passing for the written exam is considered to be 70 percent or higher; and for the oral exam, it is by agreement of the majority of the committee.
4. Thesis-option students must complete and orally defend a thesis as evidence of satisfactory application of social science theory and method, research design, data interpretation, and written and oral communication skills.

### Program Requirements: Master of Arts in Social Sciences - Non-thesis

#### Required Core

ISS 604	Interdisciplinary Social Science	3
ISS 650	Social Thought and Theory	3
ISS 617	Globalization	3
ISS 633	Special Topics in Regional Studies	3
ISS 651	Gender	3
ISS 652	Race	3
		<b>Subtotal: 18</b>

#### Non-thesis Concentration

##### Social Sciences electives

Social Sciences electives	15
<b>Subtotal: 15</b>	

Electives: (IGEO, IHIS, ISOC or other Social Science course 600-level or above that is not part of the required core. Courses that focus on reviewing basic concepts and pedagogy (like GEO 680 - Geography for Teachers, or HST 680 - History for Teachers) will not be accepted for elective credit.

Pass written and oral Exit Exam

### Program Requirements: Master of Arts in Social Sciences - Thesis

#### Required Core

ISS 604	Interdisciplinary Social Science	3
ISS 650	Social Thought and Theory	3
ISS 617	Globalization	3
ISS 633	Special Topics in Regional Studies	3
ISS 651	Gender	3
ISS 652	Race	3
		<b>Subtotal: 18</b>

#### Thesis Concentration

##### Research Methods:

SOC 655	Qualitative Research Methods	3
SOC 615	Sociological Research	3
RAPP 611	Spatial Analysis	3
		<b>Subtotal: 3</b>

##### Social Sciences electives

Electives	6
<b>Subtotal: 6</b>	

Any IGEO, IHIS, ISOC or other Social Science course 600-level or above that is not part of the required core). These are courses that focus on reviewing basic concepts and pedagogy (like GEO 680 -

Geography for Teachers, or HST 680 - History for Teachers) will not be accepted for elective credit.

### Thesis Research

Select one group:

#### Group 1:

ISS 699A	Thesis I	3
ISS 699B	Thesis II	3

#### Group 2:

IGEO 699A	Thesis I	3
IGEO 699B	Thesis II	3

#### Group 3:

IHIS 699A	Thesis I	3
IHIS 699B	Thesis II	3
	or	
SOC 699	Thesis	6

**Subtotal: 6**

Successful defense of thesis

Total Credit Hours: 33

## Sociology, Social Work and Criminology Department

Latonya Hesterberg, Chair

355 Rader Hall

606-783-2551

### Faculty

B. Barton, , E. Breschel, C. Faulkner, S. Faulkner, M. Haney, C. Hardesty, T. Hare, R. Katz, E. Perkins, C. Phillips, G. Santana, S. Tallichet

### Sociology - Master of Arts

The Master of Arts in Sociology allows concentrations in three areas: (1) chemical dependency certification, (2) criminology, and (3) general sociology. All concentrations require basic courses in theory and research methods.

In addition to these concentrations, the department participates in a cooperative Master of Social Work degree with the University of Kentucky. All of the program courses are offered on the Morehead State University campus and results in a Master of Social Work degree from the University of Kentucky.

### Admission Requirements

1. General admission to graduate study.
2. Completion of 18 credit hours of undergraduate work in sociology or related field, including sociological theory, social science data analysis, and research methodology.
3. A minimum GPA of 3.0 in all sociology courses.
4. Undergraduate GPA of 2.75 required.
5. A combined GRE score of 278 is desired on the verbal and quantitative sections; writing score of two or higher.
6. Assessment of the student's potential for successful completion of the program will also be based on the following:
  - a. Submission of a two-page typewritten statement of educational and career goals relative to the program.
  - b. Submission of an undergraduate academic writing assignment.
  - c. When an applicant's materials do not clearly suggest the potential for successful completion of the program, the

department Graduate Admissions Committee may also require an interview of the applicant.

### Requirements for the Degree

1. Must be unconditionally admitted and satisfy general degree requirements.
2. All students must successfully complete SOC 615 Sociological Research, and SOC 650 Sociological Thought and Theory.
3. Completion of one of the three concentrations: chemical dependency certification, general sociology, or criminology.

### Academic Standing

All students pursuing the M.A. in sociology must maintain a 3.0 GPA. Students falling below a 3.0 will be placed on a one-semester probation period. Students failing to achieve a 3.0 GPA after one semester's probation will be dropped from the program. Any student receiving a grade of "C" in more than two sociology courses taken for graduate credit will be immediately dropped from the program.

### Sociology - Master of Arts: Chemical Dependency Certification Concentration

This program is designed to meet the requirements for the Kentucky Alcohol and Drug Abuse Certification Board for individuals who wish to be certified as chemical dependency counselors.

### Program Competencies

1. Students will be expected to demonstrate competency in individual and group counseling concerning drug and alcohol issues.
2. Students will be able to apply acquired assessment and referral skills related to chemical dependency.
3. Students will develop competencies enabling them to work with a variety of populations.

### Assessment

1. Students will be expected to demonstrate mastery of skills as they progress through the individual courses through examinations and taped videos whereby students display skills. Overall demonstration of skills will be measured during the last course (SWK 664 - Practicum in Chemical Dependency). Students will be placed in an agency setting whereby they can practice/demonstrate the skill sets they have learned in previous courses.
2. Upon completion of the required courses and the 135-hour practicum, students completing the 6000 hour practicum along with the oral and written examinations will also receive Chemical and Alcohol Dependency Certification (CADC).

### Program Requirements

#### Sociology Requirements

SOC 615	Sociological Research	3
SOC 650	Social Thought and Theory	3
		<b>Subtotal: 6</b>

#### Chemical Dependency Requirements

SWK 660	Introduction to Chemical Dependency Counseling	3
SWK 661	Alcohol, Alcoholism and Chemical Dependency	3
SWK 662	Approaches to Chemical Dependency Treatment I	3



SWK 663	Approaches to Chemical Dependency Treatment II	3
SWK 664	Practicum in Chemical Dependency	3
<b>Subtotal: 15</b>		
<b>Approved Electives in Sociology</b>		
Graduate Sociology Electives		9
<b>Subtotal: 9</b>		

**Total Credit Hours: 30**

### Additional Requirements for Chemical Dependency Certification Concentration

1. Satisfy admission requirements for the University and be unconditionally admitted to the program.
2. Must complete all courses including practicum with a cumulative GPA of 3.0 or better.

### Sociology - Master of Arts: Criminology Concentration

#### Program Requirements

*Students electing this concentration must complete one of the following plans:*

<b>PLAN A (Thesis)</b>		
SOC 615	Sociological Research	3
SOC 650	Social Thought and Theory	3
<b>Subtotal: 6</b>		

#### Criminology Requirements

CRIM 601	Criminology Theory	3
CRIM 625	Deviance	3
SOC 699	Thesis	6
Graduate Criminology or Sociology Electives		12
<b>Subtotal: 24</b>		

#### PLAN B (Non-thesis)

SOC 615	Sociological Research	3
SOC 650	Social Thought and Theory	3
<b>Subtotal: 6</b>		

#### Criminology Requirements

CRIM 601	Criminology Theory	3
CRIM 625	Deviance	3
Graduate Criminology or Sociology Electives		18
Comprehensive examination		
<b>Subtotal: 24</b>		

**Total Credit Hours: 30**

### Sociology - Master of Arts: General Sociology Concentration

#### Program Requirements

*Students electing this concentration must complete one of the following plans:*

#### PLAN A (Thesis)

At least 15 hours of the sociology credit must be earned in courses at the 600-level. Coursework must include:

SOC 615	Sociological Research	3
SOC 650	Social Thought and Theory	3
<b>Subtotal: 6</b>		

### Completion of 18 credit hours of approved graduate work in sociology

Graduate Sociology Electives	18
<b>Subtotal: 18</b>	

### Completion of an approved thesis (six hours).

Thesis	6
<b>Subtotal: 6</b>	

#### PLAN B (Non-thesis)

At least 18 hours of sociology electives must be earned in courses at the 600-level (three hours of independent study or independent research may be taken as part of the 18 hours at the 600-level).

Coursework must include:

SOC 615	Sociological Research	3
SOC 650	Social Thought and Theory	3
<b>Subtotal: 6</b>		

### Completion of 24 credit hours of approved course work in sociology

Graduate Sociology Electives	24
<b>Subtotal: 24</b>	

**Complete a written comprehensive examination.**

**Total Credit Hours: 30**

## School of Music, Theatre and Dance

### Donald Grant, Chair

106 Baird Music Hall

606-783-2473

#### Faculty

S. Baker, L. Baruth, S. Blair, E. Brown, J. Brimson Cooper, S. Creasap, G. Detweiler, N. Dishman, D. Eastwood, R. Escalante, G. Ginn, D. Grant, J. Grice, C. Hammond, C. Hsieh, B. Mason, S. McBride, D. Oyen, R. Prindle, M. Taylor, P. Taylor, G. Wing

## Master of Music

### Admission Requirements

1. Completion of a bachelor's degree in music from an accredited institution or its equivalent with a minimum GPA of 3.0 on all undergraduate music courses above the freshman level.
2. General admission to graduate study.
3. Completion of the Graduate Music Entrance Examination in music history/literature and music theory (analysis). The music entrance examination must be completed prior to the first semester of enrollment and is administered at the start of the fall, spring and summer I semesters by the coordinator of graduate studies in music.
4. Successful completion of an audition for the appropriate music faculty is required for admission to the performance concentration. When a live audition is not possible, an audition via Skype or other live video conferencing medium will be arranged.
5. Prior to enrollment in graduate-level music education courses, graduate students pursuing the Master of Music with emphasis in music education must hold an earned bachelor's degree in music education from an accredited institution or enroll in the Post-Baccalaureate Integrated Music P-12 Initial Certification Program and complete the education and music education course requirements.

## Requirements for the Degree

1. Unconditional admission to the Master of Music program before completing 12 hours of coursework.
2. Unconditional admission to the Master of Music degree in Voice program requires satisfactory completion of an entrance examination in foreign languages and foreign language diction. Applicants are expected to be proficient in French, German, and Italian diction and competent in translating in two of these three foreign languages to English. Deficiencies are met by attaining a grade of "C" or higher in prescribed remedial courses.
3. Satisfy University degree completion requirements.
4. Complete the Master of Music core requirements and the requirements for a concentration in performance or music education.
5. Pass the Comprehensive Capstone Examination appropriate to the program emphasis.

Electives may be chosen from studies in music history and literature, music theory, analysis, composition, arranging, music education, pedagogy, conducting, applied music, ensembles related to performance area (three-credit hours maximum) and music business. If the diagnostic scores are high in the areas of music history and form and analysis, the hours for MUSH 600 Graduate Music History Survey and/or MUST 665 Form and Analysis can be added as elective hours. The coordinator of graduate studies in music must approve electives.

*\*If the diagnostic scores are high in these areas, the student may elect to take other courses based on consultation with the faculty advisor.*

*\*\*As course topics change, may be repeated for credit as an elective.*

## Music Education Concentration - Master of Music

### Program Competencies

The student pursuing the Master of Music program in Music Education will demonstrate:

1. A comprehensive understanding of music through active engagement in listening to, performing, analyzing, and creating music.
2. Knowledge of the essential bibliographical resources and advanced competence in music research.
3. An enlightened understanding of music learning theories and pedagogy.
4. The ability to apply appropriate technologies to work in and about music.
5. Advanced written and oral communicative skills.
6. Advanced creative and evaluative skills.
7. The ability to produce scholarly and/or creative works in music and/or music education.
8. Understanding of and the ability to evaluate research in music education.
9. Advanced knowledge of the foundations and current trends in music education.
10. Advanced teaching techniques, skills, and methods.
11. Advanced knowledge of performance practices relevant to literature appropriate to the area of specialization.
12. Knowledge of the applied pedagogies appropriate to the area of specialization.

## Program Requirements

### Core Requirements

MUST 665	Form and Analysis	3
MUSH 600	Graduate Music History Survey	3
MUSW 680	Research Methods and Materials	3
MUST 690	Studies in Musical Style	3
MUSH 695	Seminar in Music History	3
	Core Electives	0-6

**Subtotal: 15**

MUST 665, MUSH 600: As course topics change, may be repeated for credit as an elective.

### Music Education Requirements

MUSE 681	Foundations of Music Education	3
MUSE 682	Seminar in Music Education	3
MUSE 625	Psychology of Music	3
	or	
MUSE 641	Kodaly Pedagogy and Research I	3
MUSW 684	Comprehensive Capstone Examination: Music Education	
	Additional Music Electives	6

**Subtotal: 15**

MUSW 684 Comprehensive Capstone Examination in Music Education is to be taken during the final semester of program study. A grade of "Pass" is required for this course to satisfy degree requirements. Consists of Master of Music program exit examination and comprehensive written and oral examinations for the concentration in music education (reviewed by committee of graduate music faculty).

Electives may be chosen from studies in music history and literature, music theory, analysis, composition, arranging, music education, pedagogy, conducting, applied music, ensembles related to performance area (three-credit hours maximum) and music business. If the diagnostic scores are high in the areas of music history and form and analysis, the hours for MUSH 600 Graduate Music History Survey and/or MUST 665 Form and Analysis can be added as elective hours. The Coordinator of Graduate Studies in Music must approve electives.

**Total Credit Hours: 30**

## Performance Concentration - Master of Music

### Advising

Because the Graduate Music Entrance Examination is used to determine readiness for graduate study in music and to advise an appropriate plan of study, students are expected to complete University and departmental admission requirements prior to taking the first course in graduate music studies.

Prior to initial enrollment, the student will schedule an advisory conference with the coordinator of graduate studies in music. With this initial conference and subsequent advising sessions each semester, the graduate student in music will be adequately informed about their progress and planning toward degree completion.

### Graduate Assistantships in Music

Graduate assistantships in music are available on a competitive basis to qualified graduate students who are admitted unconditionally to a master's degree program at Morehead State University. They are offered on a per semester basis for one academic year with consideration for renewal for a second academic year (excluding summer) pending available funding and

provided that the graduate assistant receives a satisfactory evaluation each term of service, is continuously enrolled as a full-time student (enrolled in at least nine graduate credit hours but no more than 12) in courses at the 600-level, and maintains at least a 3.0 grade point average.

Graduate assistants are employed as either full-time assistants (20-hours per week for \$5,000 per semester) or half-time assistants (10-hours per week for \$2,500 per semester). In addition to the assigned work hours for full- or half-time assistants, graduate assistants are expected to assist with major departmental events and projects as needed and perform on the major instrument in service to department, as requested.

### Program Competencies

The student pursuing the Master of Music program in Performance will demonstrate:

1. A comprehensive understanding of music through active engagement in listening to, performing, analyzing, and creating music;
2. Knowledge of the essential bibliographic resources and advanced competence in music research;
3. An enlightened understanding of music learning theories and pedagogy;
4. The ability to apply appropriate technologies to work in and about music;
5. Advanced written and oral communicative skills;
6. Advanced creative and evaluative skills;
7. The ability to produce scholarly and/or creative works in music and/or music education;
8. Professional competence in performance skills and interpretation;
9. Advanced knowledge of performance practice relevant to the literature for the major instrument/voice; and
10. Advanced pedagogical skills appropriate to the major instrument/voice.

### Assessment

1. Graduate jury and public recital (concentration in performance only).
2. Comprehensive Capstone Exam that includes: (1) A final comprehensive written exam in music history and literature and music theory, and (2) A final research project and oral examination in the area of emphasis and specialization. Should the Comprehensive Capstone Exam assessment prove to be unsatisfactory, the student will be counseled by the principal graduate advisor and members of the examination committee and will be allowed to repeat those areas that were deemed to be deficient.

### Program Requirements

#### Core Requirements

MUST 665	Form and Analysis	3
MUSH 600	Graduate Music History Survey	3
MUSW 680	Research Methods and Materials	3
MUST 690	Studies in Musical Style	3
MUSH 695	Seminar in Music History	3
	Core Electives	0-6
<b>Subtotal: 15</b>		

MUST 665, MUSH 600: As course topics change, may be repeated for credit as an elective.

#### Performance Requirements

MUSP 600	Private Applied	6
MUSP 670	Private Applied Pedagogy and Performance Practice	1
MUSP 660	Graduate Recital	2
MUSW 685	Comprehensive Capstone Examination: Performance	
Additional Music Electives		6
<b>Subtotal: 15</b>		

MUSP 660 Graduate Recital is to be taken as the final semester of private applied study.

MUSW 685 Comprehensive Capstone Examination in Performance is to be taken during the final semester of program study. A grade of "Pass" is required for this course to satisfy degree requirements. Consists of Master of Music program exit examination and comprehensive written and oral examinations for the concentration in performance (reviewed by committee of graduate music faculty).

Electives may be chosen from studies in music history and literature, music theory, analysis, composition, arranging, music education, pedagogy, conducting, applied music, ensembles related to performance area (three-credit hours maximum) and music business. If the diagnostic scores are high in the areas of music history and form and analysis, the hours for MUSH 600 Graduate Music History Survey and/or MUST 665 Form and Analysis can be added as elective hours. The Coordinator of Graduate Studies in Music must approve electives.

**Total Credit Hours: 30**

# College of Business and Technology

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## Robert Albert, Dean

214 Combs Building  
606-783-2174 / Fax: 606-783-5025  
Email: r.albert@moreheadstate.edu

## School of Business Administration

### Greg Russell, Associate Dean

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212 Combs Building  
Email: g.russell@moreheadstate.edu

### Faculty

A. Ahmadi, R. Albert (Dean), S. Chen, H. Choi, T. Creahan, T. Elliott, D. Everett, T. Ghirmay, B. Grace, M. Harford, A. Hassan, K. Henderson, S. Hunt, J. Hypes, M. Hypes, E. Kim, D. Kizzier, M. Kunz, B. Lyons, B. McCormick, R. McCoy, S. Meisel, F. Mohamed, S. Nataraj, J. Nelson, C. Peng, K. Pierce, J. Ratliff, G. Russell (Associate Dean), B. Shi, M. Yasin

## Master of Business Administration

### MBA

The MBA program mission is to provide quality online and traditional educational opportunities in business for degree and course completion, designed for individuals seeking to improve their management success and focused on working managers. Those with undergraduate degrees in business may complete the program with a minimum of 30 credit hours. Others, without the undergraduate business core courses, may be admitted to the program by completing the appropriate foundation courses as determined by the MBA program director. Contact the MBA program director at 606-783-2183, in person at 213D Combs Building, or by email at msu-mba@moreheadstate.edu.

### Admission Requirements

1. Admission into the MBA program for applicants with an earned master's degree and a cumulative GPA of 3.0 from a regionally accredited institution are admitted into the MBA without having to submit an official GMAT score. An official graduate transcript showing completion of the master's degree is required.
2. Admission for applicants with an earned baccalaureate degree from a regionally accredited college or university must meet the following criteria:
  - a. A minimum 2.5 undergraduate GPA is required.
  - b. Admission is determined by an admission index. The index is computed as follows:  $\text{INDEX} = (\text{undergraduate GPA} \times 200) + \text{GMAT score}$ . The index must equal at least 1000 and the minimum acceptable GMAT score is 400. The GRE is accepted in lieu of the GMAT provided the GRE score is equivalent to the score required for GMAT using the index formula above. Students not meeting the minimum 2.5 undergraduate GPA requirement may be admitted to the MBA program if their GPA in the last 60 hours of undergraduate study was at least 2.75 with a minimum

index of 1050. (The admission status would be attempt to qualify.)

- c. Applicants must submit an official GMAT or GRE score before their application for admission into the MBA program will be reviewed.

**GMAT Exemption** - Applicants who meet the following criteria may be exempt from the GMAT:

- Any applicant who has an earned baccalaureate degree in business from an AACSB accredited college or university and a cumulative GPA of 3.5 or higher on a 4.0 scale is exempt from taking the GMAT or GRE and therefore exempt from criterion B and C.
- Any current Morehead State University student pursuing the Bachelor of Business Administration (BBA) degree with a 3.5 or higher cumulative GPA who seeks admission into the Early Graduate Program is exempt from taking the GMAT and therefore exempt from criterion B and C.

**GMAT Waiver Request** - Applicants who meet all the following criteria may request a GMAT/GRE waiver:

- An earned baccalaureate degree in any discipline from a regionally accredited college or university
  - Minimum two years professional work experience
  - 3.0 or higher cumulative GPA
  - Additionally, the GMAT waiver request must include a resume, three professional letters of recommendation, and a goals statement. Submitting a waiver request and required documentation does not guarantee a waiver will be granted.
3. Applicants who meet requirements 1 or 2, but who have not met the foundation course requirements, may be conditionally admitted to the MBA program. Students who are conditionally admitted may only take foundation course requirements. The Foundation Course Sequence, or comparable coursework, must be completed prior to full admission with at least a 3.0 GPA and no grade of less than a "C" in any course. Students may use the College Level Equivalency Program (CLEP) examinations to satisfy the foundation course requirements, if applicable.
  4. International students must take the TOEFL. A score of 525 (old system) or 70 (new system) is required for program admission; those who score below 525 will not be admitted to the program. Students scoring between 525 and 550 are required to complete ENG 100 and COMS 108 or equivalent.

### Application deadlines for admission into the MBA program are as follows:

- Spring semester - All application materials must be postmarked no later than December 1.
- Fall semester - All application materials must be postmarked no later than August 1.
- Summer semesters - All application materials must be postmarked no later than April 15.

**Foundation Course Sequence****Accounting**

ACCT 600, or ACCT 281 and ACCT 282 (or equivalent)

**Economics**

ECON 600 or ECON 201 (or equivalent)

**Finance**

FIN 600, or FIN 360 (or equivalent)

**Management**

MNGT 602/FIN 602, or MATH 152 and MATH 305 (or equivalent)

Note: None of the four graduate level survey courses (ACCT 600, ECON 600, FIN 600, or MNGT/FIN 602) satisfy the requirements of the 30-hour MBA program. They are prerequisite courses only.

Subtotal: 12

**Dismissal from MBA Program**

A student will be placed on probation if that student receives two course grades of "C" or below in any graduate level MBA class, including foundation courses. A student will be dismissed from the MBA program if that student receives three course grades of "C" or below in any graduate level class, including foundation courses.

**Requirements for the Degree**

1. Satisfy general degree requirements.
2. Completion of the MBA program with a minimum cumulative GPA of 3.0.
3. Must be unconditionally admitted.

**Program Requirements****MBA Core**

ACCT 611	Accounting Analysis for Decision Making	3
BIS 630	Managerial Communications	3
CIS 615	Managing Information Technology	3
ECON 661	Managerial Economics	3
FIN 660	Financial Management	3
MKT 650	Marketing Administration	3
MNGT 677	Leadership and Ethics	3
MNGT 691	Business Policies and Procedures	3

**Subtotal: 24**

Students who have completed at least 21 hours of undergraduate accounting courses may substitute an approved MBA elective for ACCT 611.

MNGT 691 Prerequisites: ACCT 611, BIS 630, CIS 615, ECON 661, FIN 660, MKT 650, MNGT 665

**MBA Electives**

Choose six hours of MBA electives from the following list or may combine certain electives in pursuing a Health Systems

Management (HSM) Track (p. 42):

ACCT 650	Financial Accounting	3
ACCT 670	Directed Research	1-3
ACCT 683	Auditing Applications	3
ACCT 687	Tax Accounting Research and Planning	3
ACCT 690	Emerging Issues in Management Accounting	3
ACCT 698	Selected Workshop Topics	1-4
BIS 621	Instructional Innovations in Business and Information Technology Education	3
CIS 625	Web Information Systems and Internet Technologies	3

CIS 632	Desktop Computing and Web Collaboration	3
CIS 634	Management of Telecommunications and Networking	3
CIS 635	Seminar in Information Systems	3
CIS 636	Global Information Systems	3
CIS 638	Database Systems	3
CIS 640	Systems Planning and Implementation	3
CIS 642	Systems Security	3
CIS 645	Customer Relationship Management Systems	3
CIS 650	Innovation, Technology and Organizational Change	3
CIS 660	Enterprise Systems	3
CIS 670	Directed Research	1-3
CIS 681	Selected Workshop Topics	1-4
ECON 645	Public Policies Toward Business	3
ECON 662	Business Cycles and Economic Forecasting	3
ECON 670	Directed Research	1-3
ECON 681	Selected Workshop Topics	1-4
FIN 620	Financial Markets	3
FIN 622	Financial Services Marketing	3
FIN 625	Advanced Bank Management	3
FIN 628	Asset and Liability Management	3
FIN 670	Directed Research	1-3
FIN 672	Investment Management	3
FIN 673	Chartered Financial Analyst Level I Review Course	1
FIN 674	Chartered Financial Analyst Level II Review Course	1
FIN 675	Chartered Financial Analysis Level III Review Course	1
MKT 622	Financial Services Marketing	3
MKT 635	Consumer Behavior and Managerial Implications	3
MKT 640	Product Design and Development	3
MKT 645	IMC for Marketing Managers	3
MKT 652	Marketing Research and Analysis	3
MKT 665	Consumer Psychology in Online Marketing	3
MKT 668	Organizational Strategies in E-commerce	3
MKT 670	Directed Research	1-3
MNGT 606	Operations Analysis	3
MNGT 609	International Management	3
MNGT 610	Legal Issues in Business Transactions	3
MNGT 612	Organizational Theory	3
MNGT 620	Quantitative Business Analysis	3
MNGT 650	Innovation, Technology and Organizational Change	3
MNGT 655	Social Responsibilities of Business	3
MNGT 656	Small Business Institute Field Project	3
MNGT 660	Entrepreneurship	3
MNGT 661	Human Resource Topics	3
MNGT 662	Human Resource Development	3
MNGT 663	Compensation and Benefits	3
MNGT 664	Employee Relations	3
MNGT 665	Organizational Behavior	3
MNGT 667	Women and Men in Management	3
MNGT 668	Organizational Strategies for E-commerce	3

MNGT 670	Directed Research	1-3
MNGT 698	Selected Workshop Topics	1-4
HSM 611	Health Economics	3
HSM 630	Healthcare Public Policy	3
HSM 650	Health IT and Clinical Transformation	3
HSM 655	Management of Healthcare Information Systems	3
HSM 660	Community Clinical Placements	3
HSM 670	Directed Study	3
HSM 680	Healthcare Leadership and Ethics	3
HSM 682	Trends in the Healthcare Industry	3
HSM 684	Healthcare Financial Management	3
PA 641	Ethics in Public Administration	3
<b>Subtotal: 6</b>		

## Learning Goals and Objectives

**Goal 1:** Our graduates will communicate effectively.

Within the MBA curriculum, students will demonstrate:

1. The ability to prepare and deliver an effective professional presentation on a current business topic.
2. The ability to effectively compose written documents for business audiences.

**Goal 2:** Our graduates will know and properly analyze ethical issues faced in business.

Within the MBA curriculum, students will demonstrate:

1. The ability to identify and properly evaluate ethical issues in a business situation and relate them to individual ethical behavior and to community responsibilities in organizations and society.
2. The ability to assess the ethical consequences of business decisions relative to the individual, the organization, and society.

**Goal 3:** Our graduates will possess knowledge of the domestic and global business environment and a sense of diversity awareness.

Within the MBA curriculum, students will demonstrate:

1. The ability to identify political and economic issues affecting domestic and global business and make sound business decisions in consideration of these issues.
2. The ability to identify legal and regulatory issues affecting domestic and global business and make sound business decisions in consideration of these issues.
3. The ability to identify diversity issues affecting domestic and global business and make sound business decisions in consideration of these issues.

**Goal 4:** Our graduates will be knowledgeable and skilled in the application of technology in contemporary organizations.

Within the MBA curriculum, students will demonstrate:

1. Knowledge of how technology changes organizational and management practices and make sound business decisions in consideration of this issue.
2. The ability to appropriately use technology for business operations, management decision-making, workgroup collaboration, and implementation of business strategies.
3. The ability to appropriately use technology to formulate strategic decisions in a given management situation.

**Goal 5:** Our graduates will be effective leaders and problem solvers, demonstrating the ability to integrate functional knowledge as they strategically manage change.

Within the MBA curriculum, students will demonstrate:

1. The ability to integrate functional business knowledge through analysis of management situations.
2. Leadership skills and knowledge of problems associated with leadership through the analysis of management situations.
3. An understanding of the issues related to managing change and the ability to make sound business decisions in the context of a changing business environment.
4. An understanding of strategic management and the ability to make sound strategic business decisions.

**Total Credit Hours: 30**

## MBA: Concentration in Health Systems Management (HSM)

In addition to the concentration in health systems management courses listed below, MBA core courses (and the foundation courses if applicable) (p. 40) must be completed. The HSM concentration is composed of 12 credit hours of specialized courses in health systems management, with six credit hours of HSM core courses and six credit hours of courses chosen from the list below.

### Program Requirements

#### HSM Core

HSM 680	Healthcare Leadership and Ethics	3
HSM 650	Health IT and Clinical Transformation	3

#### Choose two (six hours) from the following list:

HSM 611	Health Economics	3
HSM 630	Healthcare Public Policy	3
HSM 655	Management of Healthcare Information Systems	3
HSM 660	Community Clinical Placements	3
HSM 670	Directed Study	3
HSM 682	Trends in the Healthcare Industry	3
HSM 684	Healthcare Financial Management	3
PA 641	Ethics in Public Administration	3

**Subtotal: 12**

#### MBA Core

See Core Requirements in MBA (p. 40).

**Subtotal: 24**

**Total Credit Hours: 36**

## Management Information Systems - Master of Science

### MS-MIS

The Master of Science in Management Information Systems (MS-MIS) provides an interdisciplinary approach to preparing graduates with expertise in information systems. The program structure allows students to build career elective choices based on their individual career goals. It is designed to meet the need for information systems leaders and innovators in a broad range of disciplines including business, education, government, healthcare, science and the arts. The program provides a balance of practical application and theoretical concepts, with program completion developing technical, organizational and discipline-specific knowledge and skills. The MS-MIS program requires 30 semester credit hours of graduate coursework (excluding any prerequisite requirements) in four component areas: information systems core, a support area based on the student's career

objectives, information systems specialized coursework and an integrative capstone (thesis/scholarly or project/applied).

### Admission Requirements

- General admission to graduate study.
- Admission is determined by an Admission Index (AI).
  - Formula if applicant desires application consideration with the GMAT score calculation:  $\text{INDEX} = (\text{undergraduate GPA} * 200) + \text{GMAT score}$ . The index must equal at least 900. A minimum GMAT score of 400 is required. Applicants must submit a GMAT score before being admitted into the MS-MIS program.
  - Formula if applicant desires application consideration with the GRE score calculation:  $\text{INDEX} = (\text{undergraduate GPA} * 200) + (\text{Verbal} + \text{Quantitative GRE score})$ . The index must equal at least 850. A minimum GRE score of 288 is required. Applicants must submit a GRE score before being admitted into the MS-MIS program.
- If a student has earned a master's degree from a regionally accredited institution, the GMAT/GRE will be waived.
- A minimum 2.5 undergraduate cumulative GPA is required.
- Students not meeting the minimum 2.5 undergraduate GPA requirement may be admitted to the MS-MIS degree program if (1) their GPA in the last 60 hours of undergraduate study was at least a 2.75 and have a minimum composite index of 1070 (using GMAT formula), or (2) if their GPA in the last 60 hours of undergraduate study was at least 2.75 and have a minimum composite index of 850 (using GRE formula).
- Students may not be conditionally admitted to the MS-MIS program.

### Applications deadlines for admission into the MS-MIS program are as follows:

Spring semester - All application materials must be postmarked no later than December 1.

Fall semester - All application materials must be postmarked no later than August 1.

Summer semester - All application materials must be postmarked no later than April 15.

### Maintaining Enrollment in the Program:

To maintain enrollment in the program, students are expected to achieve an appropriate level of academic performance and will be required to have a minimum 3.0 GPA to graduate. Any student receiving two grades of "C" or below in any graduate level course will be placed on probation. If a student on probation receives a third grade of "C" or below, they will be dismissed from the program.

### Program Requirements

- Satisfy general degree requirements.
- Completion of the program with a minimum cumulative GPA of 3.0
- Must be unconditionally admitted.
- Successfully complete and orally defend a technology-based project or thesis in the integrative component of the program.

### MIS Required Courses

CIS 615	Managing Information Technology	3
CIS 638	Database Systems	3
CIS 640	Systems Planning and Implementation	3

CIS 641	Qualitative and Quantitative Research Methods	3
CIS 690	Information Systems Project Management	3
		<b>Subtotal: 15</b>

### Management Information Systems Specialization

#### Choose 12 credit hours from the following (based upon career interests):

CIS 625	Web Information Systems and Internet Technologies	3
CIS 628	E-Business Application Programming	3
CIS 634	Management of Telecommunications and Networking	3
CIS 635	Seminar in Information Systems	3
CIS 636	Global Information Systems	3
CIS 642	Systems Security	3
CIS 645	Customer Relationship Management Systems	3
CIS 650	Innovation, Technology and Organizational Change	3
CIS 660	Enterprise Systems	3
CIS 670	Directed Research	1-3
CIS 681	Selected Workshop Topics	1-4
CIS 698	Advanced Supervised Field Experience	3
CIS 699A	Thesis	3 or 6
HSM 650	Health IT and Clinical Transformation	3
		<b>Subtotal: 12</b>

CIS 699: (students should enroll in three-hours of thesis credit for at least two semesters)

### SBA Graduate Elective

Elective	3
<hr/>	
	<b>Subtotal: 3</b>

### MS-MIS graduates will be able to:

- Assume leadership positions in the information systems field.
- Use appropriate methods of inquiry to address complex workplace issues in information systems.
- Implement innovative technology-based solutions with sensitivity to ethical, legal and quality of life issues.
- Analyze organizational, technological and economic issues to effectively design information system solutions.
- Manage systems projects from inception to completion to meet specified client needs.
- Become technical experts in one or more specialized areas of information systems.

### Assessment

- Assessment of the integrative component of the MS-MIS program (technology-based project or thesis) will address oral, technical, conceptual and research competencies.
- A comprehensive written exam will be used for overall program assessment and will be administered to each student during their final year in the program. This exam can be completed in either semester of the final year (although the final semester is strongly recommended) and will be given before midterm of the chosen semester.

**Total Credit Hours: 30**

**MS-MIS: Concentration in Healthcare Informatics****Admission Requirements**

- General admission to graduate study.
- Admission is determined by an Admission Index (AI).
  - Formula if applicant desires application consideration with the GMAT score calculation:  
The index is computed as follows:  $\text{INDEX} = (\text{undergraduate GPA} * 200) + \text{GMAT score}$ . The index must equal at least 900. A minimum GMAT score of 400 is required. Applicants must submit a GMAT score before being admitted into the MS-MIS program.
  - Formula if applicant desires application consideration with the GRE score calculation:  
The index is computed as follows:  $\text{INDEX} = (\text{undergraduate GPA} * 200) + (\text{Verbal} + \text{Quantitative GRE score})$ . The index must equal at least 850. A minimum GRE score of 288 is required. Applicants must submit a GRE score before being admitted into the MS-MIS program.
- If a student has earned a master's degree from a regionally accredited institution, the GMAT/GRE will be waived.
- A minimum 2.5 undergraduate GPA is required.
- Students not meeting the minimum 2.5 undergraduate GPA requirement -
  - (1) may be admitted to the MS-MIS degree program if their GPA in the last 60 hours of undergraduate study was at least a 2.75 and have a minimum composite index of 1070 (using GMAT formula) or
  - (2) may be admitted to the MS-MIS degree program if their GPA in the last 60 hours of undergraduate study was at least 2.75 and have a minimum composite index of 850 (using GRE formula).
- Students may not be conditionally admitted to the MS-MIS program.

**Applications deadlines for admission into the MS-MIS program are as follows:**

Spring semester - All application materials must be postmarked no later than December 1.

Fall semester - All application materials must be postmarked no later than August 1.

Summer semester - All application materials must be postmarked no later than April 15.

**Program Requirements****MIS Required Courses**

CIS 615	Managing Information Technology	3
CIS 638	Database Systems	3
CIS 640	Systems Planning and Implementation	3
CIS 641	Qualitative and Quantitative Research Methods	3
CIS 690	Information Systems Project Management	3
		<b>Subtotal: 15</b>

**HSM Required Courses**

HSM 650	Health IT and Clinical Transformation	3
HSM 655	Management of Healthcare Information Systems	3
HSM 680	Healthcare Leadership and Ethics	3
HSM	Elective	3
		<b>Subtotal: 12</b>

HSM Elective: (three hours from any HSM course)

**SBA Graduate Elective**

Elective

3

**Subtotal: 3**

**Total Credit Hours: 30**

**Sport Management - Master of Arts****Sport Management**

The mission of the sport management program is to offer high quality educational experiences to cultivate students' sport management, marketing, communication, and financial skills. These skills are developed in an environment that promotes sound decision-making based on social, psychological and international foundations, recognized management principles, as well as the ethical and legal impact of such decisions. The skills developed provide students with the opportunity to analyze, synthesize, and communicate information in a dynamic global sport industry. The MA-Sport Management program is designed to provide students with opportunities to develop and demonstrate the expertise and research skills which are necessary to enable them to make independent professional contributions in sport management.

**Admission Requirements**

- General admission to graduate study.
- A minimum GMAT score of 400 or a minimum (verbal + quantitative reasoning) GRE score of 284.
- A minimum 2.5 GPA in a related undergraduate field is required.
- Students may be conditionally admitted to the sport management program after the submission and review of all application materials. Conditionally admitted students may be required to successfully complete selected undergraduate prerequisites and/or maintain additional program conditions.

**Program Competencies**

- The student will be able to understand people who engage in sports within their respective living environments, thus comprehending their interest and values for sports participation and/or their sport spectator interest.
- The student will be able to manage plans, lead and evaluate efforts in the advancement of an organization through the efforts of others.
- Students will recognize and identify moral problems related to sports in its intrinsic and extrinsic dimensions and develop a personal philosophy regarding social responsibility in the sport management setting.
- The student will be able to apply marketing concepts through utilization, application and initiation of marketing research.
- The student will be familiar with the financial management, planning and the budgetary components of the sports industry.
- The student will be familiar with the legal concepts in those areas that they are most likely to encounter in the workplace.
- The student will develop skills using methods for conducting quantitative and qualitative research in sport management that will be valuable in analyzing research data to predict future managerial strategies.
- The graduate student will benefit greatly from culminating in-depth practical experiences before entering the sport industry. Even if the student has previous experience in sport



management, an additional experience may expand the individual's network and enhance job placement.

### Assessment

In-class feedback from students will be utilized to improve the curriculum and program.

The on-site supervisor evaluation that is completed on all sport management graduate interns will be a valuable tool in assessing areas for improvement each semester.

A culminating exam will be administered at the end of the student's program to provide feedback on areas for improvement within the program and to demonstrate student achievement of the program goals and student learning outcomes.

### Requirements for the Degree

1. Satisfy general graduate degree requirements.
2. Fulfill stated program requirements.
3. Pass a written comprehensive examination over program required curriculum (must have a cumulative 3.0 or higher GPA and no "I" (incomplete) grades to sit for the exam).
4. Must have a cumulative exit GPA of 3.0 or above.
5. Must be unconditionally admitted to the sport management graduate program.

*Dismissal from the sport management program - Students must maintain a cumulative GPA of 3.0 or higher. Students may not drop below a 3.0 GPA for more than one semester during the program. A student who falls below a 3.0 cumulative GPA for two semesters will be dismissed from the program. The graduate program coordinator, in coordination with the associate dean, will monitor student progress.*

### Program Requirements

#### Required:

SPMT 600	Research Methods in Sport Management	3
SPMT 605	Planning and Designing Sport and Physical Activity Facilities	3
SPMT 612	Sport Governance	3
SPMT 630	Sport Marketing	3
SPMT 632	Management and Administration of Sports Programs	3
SPMT 635	Legal Issues in Sports and Physical Activity	3
SPMT 650	Financing the Sport Enterprise	3
SPMT 655	Leadership and Ethics in Sport and Physical Activity	3
SPMT 660	Socio-Cultural Issues in Sport	3
SPMT 661	Sport Relations	3
SPMT 671	Sport Management Internship or	3
SPMT 672	Research Project	3
MNGT 665	Organizational Behavior	3

*Note: SPMT 632/MNGT 665: (or pre-approved graduate business elective)*

#### Preapproved Graduate Business Electives

MNGT 609	International Management	3
MNGT 612	Organizational Theory	3
MNGT 662	Human Resource Development	3
MNGT 664	Employee Relations	3
MNGT 667	Women and Men in Management	3

**Total Credit Hours: 36**

## Graduate Business Certificate Programs

### Health Systems Leadership Certificate

The goal of the Health Systems Leadership Certificate program supports the collaboration with MSU, the University of Kentucky and St. Claire Regional Medical Center to provide business and health information technology graduate education for the Rural Physician Leadership Program (RPLP).

#### Admission Requirements

Admission is limited to participants admitted to the University of Kentucky Medical School Rural Physician Leadership Program.

#### Program Competencies

Students completing the Health Systems Management Certificate will be prepared to:

1. Assume leadership positions in a variety of health care settings.
2. Have the ability to plan and implement major change initiatives.
3. Participate in workflow and process transformation initiatives in health care settings.
4. Apply quality improvement benchmarks and methods to improve health care outcomes.
5. Identify global health care trends and issues and discuss their implications.
6. Manage a clinical practice or health care unit in a large institution.
7. Appropriately apply ethical standards, privacy and security regulations, and public policy to guide practice and decision making.
8. Effectively use health information technology and exchange (HIT and HIE) to achieve "meaningful use" and improve health care outcomes.
9. Evaluate all aspects of the health care environment and integrate strategic thinking into the operations of the organization.
10. Develop a framework for financial decision making in practice management and other health care settings.

#### Requirements for the Certificate

1. Maintain a cumulative 3.0 GPA in all graduate coursework.
2. Apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.
3. Satisfactorily complete all program requirements.

#### Certification Requirements

##### Required:

HSM 650	Health IT and Clinical Transformation	3
HSM 660	Community Clinical Placements	3
HSM 680	Healthcare Leadership and Ethics	3
HSM 684	Healthcare Financial Management	3

**Total Credit Hours: 12**

## Health Systems Management (HSM) Certificate

The goal of the Health Systems Management Certificate program is to prepare students for leadership in the health care industry and to address the national priority for university-based curriculum to meet the increased demand for health care professionals with competencies in health information technology and health systems transformation.

*Students wanting to apply the certificate hours to the MBA or MS-MIS programs through MSU may do so by meeting all requirements for unconditional admission and completing the remainder of required coursework.*

### Admission Requirements

Applicants must hold a bachelor's degree from a regionally accredited institution with an overall minimum undergraduate GPA of 2.5 and at least 3.0 on all graduate work that may apply to the certificate.

In addition, admission to the certificate program will require meeting at least one of the following criteria:

- Minimum of two years of relevant professional experience in a health care or business position following completion of the bachelor's degree.
- Completion of a prior graduate degree program.

### Program Competencies

Students completing the Health Systems Management Certificate will be prepared to:

1. Assume leadership positions in a variety of health care settings.
2. Have the ability to plan and implement major change initiatives.
3. Participate in workflow and process transformation initiatives in health care settings.
4. Apply quality improvement benchmarks and methods to improve health care outcomes.
5. Identify global health care trends and issues and discuss their implications.
6. Manage a clinical practice or health care unit in a large institution.
7. Appropriately apply ethical standards, privacy and security regulations, and public policy to guide practice and decision making.
8. Effectively use health information technology and exchange (HIT and HIE) to achieve "meaningful use" and improve health care outcomes.
9. Evaluate all aspects of the health care environment and integrate strategic thinking into the operations of the organization.
10. Develop a framework for financial decision making in practice management and other health care settings.

### Requirements for the Certificate

1. Maintain a cumulative 3.0 GPA in all graduate coursework.
2. Apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to: 606-783-5061.
3. Satisfactorily complete all program requirements.

## Certification Requirements

### Required:

HSM 650	Health IT and Clinical Transformation	3
HSM 680	Healthcare Leadership and Ethics	3

### Choose six hours from the following list:

HSM 611	Health Economics	3
HSM 630	Healthcare Public Policy	3
HSM 655	Management of Healthcare Information Systems	3
HSM 660	Community Clinical Placements	3
HSM 670	Directed Study	3
HSM 682	Trends in the Healthcare Industry	3
HSM 684	Healthcare Financial Management	3
PA 641	Ethics in Public Administration	3

**Total Credit Hours: 12**

## School of Engineering and Information Systems

**Ahmad Zargari, Associate Dean**

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## Engineering and Management Technology Department

### Faculty

S. Adhikari, H. Chapman, W. Grise, N. Joshi, S. Lee, J. Stubbs

## Career and Technical Education (IET) - Master of Science

### Admission Requirements

1. General admission to graduate study.
2. Satisfy one of the following:
  - a. A minimum GRE score of 285 (verbal and quantitative),
  - b. Undergraduate GPA X GRE = 855, or
  - c. Earn a GPA of 3.5 or higher after completing 12 hours of MSCTE required coursework.

### Program Competencies

1. Knowledge of the development, objectives, philosophy and administration of career and technical education.
2. The ability to analyze and understand the current trends and status of career and technical education.
3. The ability to recognize different types of data derived from an examination and to measure and evaluate individual student performance.
4. The ability to manage personnel training and facilities in educational and industrial organizations.
5. Apply technical management functions in business, industry, education and government.
6. Apply theories, concepts and principles of related disciplines to develop communication skills required for technical trainers.
7. Apply scientific and technological concepts to solving technological problems.
8. Apply concepts and skills developed in a variety of technical and professional disciplines.

**Assessment**

1. Students are required to complete a thesis or to pass both an oral and written exit examination (passing grade for written examination = 70 percent).
2. Complete an annual survey of employers of recent graduates as to their satisfaction with the employee's performance as related to subject knowledge.

**Requirements for the Degree**

1. Be unconditionally admitted to the program.
2. Successfully complete and defend a thesis or pass both a written and oral comprehensive exit examination (passing grade for written examination = 70 percent).
3. Must complete the required course work with a minimum graduate cumulative 3.0 GPA.

**Program Requirements****Core Courses**

AGR 603	Quality Assurance in Science & Technology	3
IET 603	Quality Assurance in Science and Technology	
CTE 630	Evaluation Techniques	3
CTE 660	Trends and Issues in CTE	3
CTE 685	Principles and Philosophy of CTE	3
CTE 698	Career Guidance and Development	3

**Subtotal: 15****Concentration**

Graduate level courses to be selected and approved by the student and faculty advisor in the CTE concentration.

**Subtotal: 9****Electives**

IET 670	Directed Research	1-6
IET 676	Directed Study	1-6
IET 699	Thesis	6
AGR 605	Farm Business Analysis	3
AGR 612	Conservation Workshop	3
AGR 615	Animal Nutrition	3
AGR 672	Methods in Teaching Vocational Agriculture	4
AGR 674	Adult and Young Farmer Education	3
AGR 685	Teaching Agricultural Mechanics	3
AGR 686	Planning Programs in Vocational Agriculture	3
AGR 688	Curriculum Development and Content Selections	3
AGR 692	Supervision in Agriculture	3
CTE 640	Administration and Supervision of CTE	3
CTE 650	Organization and Administration of CTE	3
EDF 600	Research Methods in Education	3
EDF 610	Advanced Human Growth and Development	3
EDF 611	Adolescent Development	3
EDF 680	History and Philosophy of Education	3
EDIL 601	Introduction to School Leadership Administration	3
EDIL 618	School Finance and Support Services	3

EDIL 628	School Law and Ethics	3
EDUC 635	Teaching Critical Thinking and Decision Making	3
IET 619	Total Quality Control	3
IET 620	Industrial Education for the Elementary Teacher	3
IET 621	Experimental Design for Industry	3
IET 622	Industrial Project Management	3
IET 630	Design for Manufacturability	3
IET 644	Wireless Networking and Systems	3
IET 645	Computer Interfacing and Applications	3
IET 680	Networking Technology	3
IET 688	Computer Integrated Manufacturing	3
IET 698	Research Methods in Technology	3

**Subtotal: 6****IET Approved Concentration Electives:**

IET 600	Impact of Technology	3
IET 619	Total Quality Control	3
IET 620	Industrial Education for the Elementary Teacher	3
IET 621	Experimental Design for Industry	3
IET 622	Industrial Project Management	3
IET 630	Design for Manufacturability	3
IET 644	Wireless Networking and Systems	3
IET 645	Computer Interfacing and Applications	3
IET 680	Networking Technology	3
IET 688	Computer Integrated Manufacturing	3
IET 690	Supervised Internship (Industry or Administration)	1-6
IET 698	Research Methods in Technology	3
ITCD 615	Advanced Computer Aided Design	3
ITEC 600	Digital Signal Processing I	3
ITEC 650	Digital Signal Processing II	3
ITMT 684	Manufacturing Information Systems	3
ACCT 600	Survey of Accounting	3
ACCT 611	Accounting Analysis for Decision Making	3
ACCT 687	Tax Accounting Research and Planning	3
BIS 620	Integrating Technology in Teaching and Learning	3
BIS 621	Instructional Innovations in Business and Information Technology Education	3
BIS 630	Managerial Communications	3
CIS 615	Managing Information Technology	3
CIS 625	Web Information Systems and Internet Technologies	3
CIS 628	E-Business Application Programming	3
CIS 632	Desktop Computing and Web Collaboration	3
CIS 634	Management of Telecommunications and Networking	3
CIS 635	Seminar in Information Systems	3
CIS 636	Global Information Systems	3
CIS 638	Database Systems	3
CIS 640	Systems Planning and Implementation	3

CIS 641	Qualitative and Quantitative Research Methods	3	EDIL 635	Understanding Professional Responsibilities of Teacher Leaders	3
CIS 642	Systems Security	3			
CIS 645	Customer Relationship Management Systems	3	EDIL 636	Mentoring for Improved Results	3
CIS 650	Innovation, Technology and Organizational Change	3	EDIL 637	Leadership for School Program Collaboration	3
CIS 655	Management of Healthcare Information Systems	3	EDIL 638	Designing and Implementing Professional Development	3
CIS 660	Enterprise Systems	3	EDIL 647	Leadership for School Community Relations	3
CIS 699A	Thesis	3 or 6	EDIL 649	School District Management	3
CS 620	Data Mining Concepts	3	EDIL 650	Leadership for School Program Improvement	3
CS 640	Data Mining Methodologies	3			
CS 650	Applied Data Mining	3	EDIL 659	Systems for Change	3
CTE 640	Administration and Supervision of CTE	3	EDIL 669	Leadership for School Problem Solving	3
CTE 650	Organization and Administration of CTE	3	EDSP 600	Workshop	1-3
EDAH 641	Administrative and Management Issues in Higher Education	3	EDSP 601	Survey of Exceptional Children	3
EDAH 642	Student Personnel in Higher Education	3	EDSP 602	Speech and Language Problems	3
EDAH 643	Seminar in Higher Education	3	EDSP 603	Assessment Methodology for the Handicapped	3
EDAH 644	Principles of Higher Education	3	EDSP 604	Resource Concepts for the Handicapped	3
EDAH 647	Principles of Adult Education	3	EDSP 605	Early Childhood Special Education	3
EDAH 650	Developmental Education for Adult Students	3	EDSP 621	Operation of Special Education Programs	3
EDAH 651	Human Development in Adulthood	3	EDSP 622	Instructional Leadership in Special Education	3
EDAH 653	Program/Curriculum Development and Evaluation	3	EDSP 623	Special Education Program Coordination	3
EDAH 660	Survey of Community College	3	EDSP 630	Universal Design for Learning	3
EDAH 661	The Community College Student	3	EDSP 641	Conceptions and Identification of Gifted Children and Youth	3
EDAH 662	Seminar in Community College	3			
EDAH 688	Seminar in Adult Education	3	EDTC 611	Introduction to Research and Grant Writing	3
EDF 600	Research Methods in Education	3			
EDF 610	Advanced Human Growth and Development	3	EDTC 631	Designing the Learning Environment	3
EDF 611	Adolescent Development	3	EDTC 681	Individual Learning Systems	3
EDF 680	History and Philosophy of Education	3	EDTC 683	Creativity in 21st Century Education	3
EDF 681	Advanced Seminar in Contemporary Educational Thought	3	EDTC 685	Principles of Distance Education Delivery	3
EDGC 619	Career Counseling	3	EDTL 605	Developmental Analysis of Learning	3
EDGC 620	Psycho-Social and Multicultural Factors in Counseling	3	EDUC 603	National Board Certification Preparation	3
EDGC 656	Introduction to Counseling	3	EDUC 629	Reading Programs: The Role of the Administrator	3
EDGC 661	Measurement Principles and Techniques	3	EDUC 635	Teaching Critical Thinking and Decision Making	3
EDGC 662	Assessment in Counseling	3			
EDGC 665	Philosophy and Practice of School Counseling	3	EDUC 682	The At-Risk Student	3
EDGC 674	Seminar in Guidance and Counseling	1-3	EDUC 684	Producing Audiovisual Materials	3
EDGC 680	Family Counseling	3	FIN 600	Survey of Finance	3
EDIL 601	Introduction to School Leadership Administration	3	FIN 602	Survey of Financial Analysis	3
EDIL 618	School Finance and Support Services	3	FIN 620	Financial Markets	3
EDIL 619	Technology and Best Practices for School Improvement	3	FIN 660	Financial Management	3
EDIL 621	Research for Instructional Leadership	3	HLTH 603	Administration of School Health	3
EDIL 628	School Law and Ethics	3	HLTH 608	General School Safety	3
EDIL 634	Leadership for Human Resources Development in Schools	3	HLTH 614	Principles of Epidemiology	3
			HLTH 618	Use and Abuse of Drugs	3
			HPS 600	Research Methods in Health, Physical Education and Sport Management	3
			HPS 601	Interpretation of Data	3
			HSM 611	Health Economics	3
			HSM 630	Healthcare Public Policy	3

HSM 650	Health IT and Clinical Transformation	3	SOC 635	Organizations in Contemporary Society	3
HSM 655	Management of Healthcare Information Systems	3	SOC 640	Social Policy in Aging	3
HSM 680	Healthcare Leadership and Ethics	3	SOC 641	Issues in Aging	3
HSM 682	Trends in the Healthcare Industry	3	SOC 645	Death and Dying	3
HSM 684	Healthcare Financial Management	3	SOC 650	Social Thought and Theory	3
MKT 600	Survey of Marketing	3	SOC 655	Qualitative Research Methods	3
MKT 640	Product Design and Development	3	SOC 659	Social Change in Appalachia	3
MKT 650	Marketing Administration	3	SOC 661	Sociology of the Law	3
MKT 652	Marketing Research and Analysis	3	SOC 665	Environmental Sociology	3
MKT 665	Consumer Psychology in Online Marketing	3	SOC 690	Graduate Practicum in Gerontology	3-9
MNGT 600	Survey of Management and Organizational Behavior	3	SPMT 600	Research Methods in Sport Management	3
MNGT 602	Survey of Quantitative and Financial Analysis	3	SPMT 605	Planning and Designing Sport and Physical Activity Facilities	3
MNGT 606	Operations Analysis	3	SPMT 630	Sport Marketing	3
MNGT 609	International Management	3	SPMT 632	Management and Administration of Sports Programs	3
MNGT 610	Legal Issues in Business Transactions	3	SPMT 650	Financing the Sport Enterprise	3
MNGT 612	Organizational Theory	3	SPMT 660	Socio-Cultural Issues in Sport	3
MNGT 620	Quantitative Business Analysis	3	SPMT 661	Sport Relations	3
MNGT 650	Innovation, Technology and Organizational Change	3	SWK 620	Social Work Administration and Management	3
MNGT 655	Social Responsibilities of Business	3	SWK 635	Group Dynamics	3
MNGT 656	Small Business Institute Field Project	3	EDTC 625	Assistive Technology	3
MNGT 667	Women and Men in Management	3	EDTC 628	Technology, Education and Culture	3
MNGT 680	Health Care Organization and Management	3	EDTC 644	Multimedia Design for the Classroom	3
PHED 608	Seminar in Motor Learning and Development	3	EDTC 680	Introduction to Instructional Design and Technology	3
PHED 611	Issues in Health and Physical Education	3	EDTC 688	Educational Gaming and Simulation	3
PHED 634	Sports Nutrition	3	<b>Total Credit Hours: 30</b>		
PHED 672	Graduate Seminar in Exercise Physiology	3	<b>Engineering and Technology Management - Master of Science</b>		
PSY 609	Educational Psychology	3	This degree is designed primarily for persons holding a bachelor's degree in industrial technology, engineering, engineering technology, applied sciences, manufacturing engineering, mechanical design or related technical professional programs.		
PSY 610	Advanced Human Growth and Development	3	<b>Admission Requirements</b>		
PSY 611	Computer Packages for the Life Sciences	3	1. General admission to graduate study		
PSY 633	Personality Theory	3	2. Satisfy one of the following:		
PSY 650	Abnormal Psychology	3	a. A minimum GRE score of 286 (verbal and quantitative)		
PSY 663	Marriage and Family Therapy	3	b. Undergraduate GPA X GRE = 858 or		
PSY 669	Behavior Modification	3	c. Earn a GPA of 3.5 or higher after completing 12 hours of MSETM required coursework.		
PSY 675	Selected Topics	3	<b>Program Competencies</b>		
PSY 686	Motivation	3	1. Perform advanced technical-management responsibilities in business, industry, education and government.		
PSY 689	Psychology of Learning	3	2. Apply theories, concepts and principles of related disciplines to develop the communication skills required for technical-managers.		
SCI 619	Advanced Integrated Math and Science for Teachers	3	3. Apply scientific and technological concepts to solving technological problems.		
SCI 622	Chemistry and Your Environment	3	4. Apply concepts and skills developed in a variety of technical and professional disciplines including computer applications and networking, materials properties and production processes, and quality control to conduct empirical research in order to improve the production processes and techniques.		
SCI 672	Earth Science for Middle and High School Teachers	3			
SCI 678	History of Science	3			
SCI 692	Science for the Secondary Teacher	3			
SOC 605	Mind, Self and Society	3			
SOC 616	Family Dynamics	3			
SOC 620	Sociology of Education	3			
SOC 625	Deviance	3			
SOC 626	Communities	3			
SOC 630	Social Inequality	3			

- Plan, facilitate and integrate technology and problem solving techniques in the leadership functions of the economic enterprise system.
- Engage in applied technical research in order to add to the knowledge of the discipline and to solve problems which surface in the workplace.

### Assessment

- Students are required to complete a thesis or to pass both an oral and written exit examination (passing grade for written examination = 70 percent).
- Students must complete the required course work with a minimum graduate GPA of 3.0.

### Requirements for the Degree

- Satisfy admission requirements.
- Successfully complete and defend a thesis or pass both written and oral comprehensive exit examinations.
- Must be unconditionally admitted.
- Complete the required course work in the three components as follows:

### Program Requirements

#### Core Courses

IET 600	Impact of Technology	3
IET 603	Quality Assurance in Science and Technology	3
IET 619	Total Quality Control	3
IET 698	Research Methods in Technology	3
		<b>Subtotal: 12</b>

#### Technical Concentration

##### Choose 12 credit hours from the following:

IET 610	Advanced Engineering Economics	3
IET 621	Experimental Design for Industry	3
IET 622	Industrial Project Management	3
IET 627	Advanced Applied Industrial Management	3
IET 630	Design for Manufacturability	3
IET 644	Wireless Networking and Systems	3
IET 645	Computer Interfacing and Applications	3
IET 680	Networking Technology	3
IET 688	Computer Integrated Manufacturing	3
IET 690	Supervised Internship (Industry or Administration)	1-6
ITMT 684	Manufacturing Information Systems	3
Technical Electives from ITCD, ITMT, ITCM, or ITEC		6
		<b>Subtotal: 12</b>

### Synthesis Experience (Research)

The student must complete nine credit hours from either thesis or non-thesis.

#### Thesis

IET 670	Directed Research or	1-6
IET 676	Directed Study	1-6
IET 699	Thesis	6

Students should not take more than six hours of either directed research or directed study in the program.

### Nonthesis

IET 670	Directed Research	1-6
IET 676	Directed Study	1-6
		<b>Subtotal: 9</b>

### Three hours electives from the following:

IET, ITCD, ITCM, ITEC, or ITMT	3
<b>Subtotal: 3</b>	

The student's graduate committee will consist of three members of the graduate faculty with one member from outside the AET department. The committee members, chosen by the student, will be representatives of the AET graduate faculty and others. Should the student elect to conduct a thesis research, thesis advisor/chair will be a graduate faculty member from the AET department.

**Total Credit Hours: 33**

## Career and Technical School Principal

### Admission Requirements

- General admission to graduate study.
- Satisfy one of the following:
  - A minimum score of 285 on the verbal and quantitative sections of the GRE and a minimum 3.0 undergraduate GPA in major field
  - GRE (verbal & quantitative) x GPA = 855
- Holds a valid 5- or 10-year teaching certificate for any one of the areas of career and technical education authorized in the Kentucky State Plan for Career and Technical Education.
- Completed three years of teaching experience in career and technical education.

### Program Requirements

- Must be unconditionally admitted.
- The program must be planned with the student's advisor.
- Complete appropriate EPSB testing requirements.
- 21 credit hours\*, consisting of the following courses:

#### Required:

CTE 650	Organization and Administration of CTE	3
CTE 640	Administration and Supervision of CTE	3
CTE 630	Evaluation Techniques	3
CTE 698	Career Guidance and Development	3
CTE 660	Trends and Issues in CTE	3
EDIL 618	School Finance and Support Services	3
EDIL 628	School Law and Ethics	3

*These hours may be completed as part of the program leading to a Master of Science in Career and Technical Education.*

For individuals who meet program admission requirements, who complete the approved program of preparation and who comply with the testing requirements as specified under KRS 161.027, a certificate of eligibility will be issued valid for four years.

**Total Credit Hours: 21**

## Career and Technical Education - Rank I Program

### Admission Requirements

- Must hold a master's degree from an accredited college or university, or have completed a fifth-year program.
- Must possess a valid teaching certificate.

## Program Requirements

1. The program must be planned with the student's advisor.
2. A minimum of 60 graduate credit hours including the master's degree or the fifth-year plus 30 hours.
3. A GPA of 3.0 or better in all work offered for the program. No credit is accepted on grades lower than "C."
4. A minimum of 30 hours (of total 60) in courses open only to graduate students.
5. Up to nine credit hours (of the last 30) may be earned at another accredited institution.
6. Credit earned by correspondence shall not apply toward the Rank I program.
7. Student must meet University exit assessment criteria.
8. Must be unconditionally admitted.

*The minimum of 60 graduate credit hours, including the master's degree, must conform to the following area distribution:*

### Required:

The program must be planned with the student's advisor on check sheets available in the department.

**Total Credit Hours: 60**

## Public Management and Government Department

**Stephen Lange, Chair**

110G Combs Building

Office: 606-783-5420

Email: s.lange@moreheadstate.edu

### Faculty

M. Bessette, W. Green, M. Hail, C. Lange, S. Lange (Chair), G. McBrayer, J. Pidluzny

## Government - Master of Arts

The Master of Arts in Government provides comprehensive field knowledge in the core subfields of political science as defined by the American Political Science Association: American government, political theory, public law, international relations and comparative politics. This graduate program provides a solid foundation for those aspiring to doctoral study in political science or for employment in government or politics.

### Admission Requirements

1. General admission to graduate study.
2. Completion of 18 credit hours of undergraduate work in political science or related field with GPA of 3.0 or higher.
3. Acceptable proficiency in social science, analytical skills, and writing ability as determined by the SPA/GOVT admissions committee from the following: undergraduate transcripts, writing sample, publication record, and interview (required at committee's request).
4. GRE score of 294 or higher *preferred* (total for both verbal and quantitative sections) *and* writing score of 3 or higher. Lower scores (minimum of 283) may be accepted with other evidence (e.g., high GPA or research and writing output) of potential for quality work.
5. Preferred TOEFL score of 525 or higher for international students; a lower score may be accepted with evidence of English speaking and writing proficiency.

6. A two-page typewritten statement of personal, educational, and career goals to be used as a writing sample or department interview.

### Program Competencies

1. Students will be actively engaged in research and learning exercises that will develop comprehensive understanding of the concepts, theories, institutions and principles of political science.
2. Students will become familiar with and demonstrate knowledge of the six largest subfields of political science: American government and politics, public law, international relations, comparative politics, political theory, and public administration.
3. Students will engage in learning exercises and research projects that will develop an understanding of the links between political science and the formulation and administration of governmental policy.
4. Students will participate in courses, seminars and learning exercises that will develop an understanding of the institutions and processes that are responsible for the formation and execution of public policy in international, national and subnational governments.

### Assessment

1. Competencies in political science that are measured include methods, theories, analytical thinking, historiography, and professional writing. These are assessed in each course in the curriculum.
2. Students are systematically assessed by their thesis and undergo a defense of their research.
3. Program assessment also takes place through alumni surveys in conjunction with program reviews.
4. Students are assessed by a comprehensive examination of core sub-field content areas as a requirement for graduation. This examination assesses professional competency at the graduate level in the field.

### Requirements for Degree

1. Satisfy University degree requirements.
2. Complete a minimum of 36 credit hours including a core of 21 hours, approved elective of nine hours, and an approved thesis of six hours.
3. Successfully complete a comprehensive written or oral examination as determined by the faculty of the program and the student's advisory committee.
4. Public presentation of thesis.
5. Minimum cumulative GPA of 3.0.
6. Must be unconditionally admitted.

### Program Requirements

#### Core

GOVT 610	American Politics	3
GOVT 620	International Relations	3
GOVT 630	Comparative Politics	3
GOVT 640	Political Theory	3
GOVT 650	Public Law	3
PA 605	Epistemology and Research Methodology	3
PA 620	Bureaucracy and Public Management	3

**Subtotal: 21**

**Electives****Choose three (nine hours) from the following:**

GOVT 600	Seminar: State and Local Government	3
GOVT 605	Environmental Law and Policy	3
GOVT 612	American Political Development	3
GOVT 676	Directed Study	3
GOVT 680	Government for Teachers	3
PA 645	Seminar in Founding Fathers and American Thought	3
PA 660	Intergovernmental Relations	3
PA 681	American Diplomatic History	3
PS 600	Political Science Seminar	3
RAPP 670	Directed Research	3

**Subtotal: 9****Thesis**

(Completion and defense of an approved thesis)

GOVT 699	Thesis	6
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**Subtotal: 6****Dismissal from MA in Government**

All students pursuing the MA in government must maintain a minimum cumulative 3.0 GPA. Students falling below a 3.0 will be placed on a one-semester period of probation. Students failing to achieve a minimum GPA of 3.0 after one semester of probation will be dropped from the program. Any student who receives a grade of "C" or below in more than two courses taken for graduate credit will be immediately dropped from the program. Academic standing will be monitored by the program director.

**Total Credit Hours: 36****Public Administration - Master of Public Administration**

The Master of Public Administration (MPA) is a professional course of study for individuals pursuing careers in government, public service, education and nonprofit organizations. Our MPA program actively engages students in a dynamic learning environment that combines coursework and research. It develops a comprehensive understanding of the concepts and principles of public administration while continuing our students' liberal education. As a result, graduates of the program will possess both the administrative skills and leadership abilities necessary to deal with the myriad of demands placed upon professional administrators. Our program provides a theoretically informed management degree that builds statesmen and public leaders committed to excellence and civic virtue. The MPA is an excellent professional degree for working professionals in government and nonprofit organizations, as well as for preparation in advanced graduate study in the social sciences or preparation for careers in public law, or admission for law school.

**Admission Requirements**

1. General admission to graduate study.
2. Completion of 18 credit hours of undergraduate work in political science, sociology, economics, geography, psychology, business or related field with GPA of 3.0 or higher. Students with demonstrated excellence in any undergraduate area will also be considered.
3. Acceptable proficiency in social science, analytical skills and writing ability as determined by the MPA admissions committee from the following: undergraduate transcripts,

writing sample, publication record and interview (required at committee's request).

4. GRE score of 301 or higher *preferred* (total for both verbal and quantitative sections) and writing score of 2 or higher. Lower scores (minimum of 283) may be accepted with other evidence (e.g., high GPA or research and writing output) of potential for quality work.
5. Preferred TOEFL score of 525 or higher for international students; a lower score may be accepted with evidence of English speaking and writing proficiency.
6. A two-page typewritten statement of personal, educational, and career goals to be used as a writing sample or an interview with School of Public Affairs associate dean or MPA director.
7. Two references.

**Program Competencies**

1. Students will be actively engaged in research and learning exercises that will develop comprehensive understanding of the concepts and principles of public administration.
2. Students will become familiar with American government and public sector institutions and the processes that are responsible for the formation and execution of public policy.
3. Students will engage in learning exercises and research projects that will develop an understanding of the links between public administration and organizational behavior, public sector management, intergovernmental relations, public finance and governmental policy.
4. Students will participate in courses, seminars and learning exercises that will develop an understanding of the institutions and processes that are responsible for the formation and execution of public policy in sub-national governments.

**Assessment**

1. Competencies in public administration theory, methods, analytical thinking and professional report writing are assessed in each course in the curriculum.
2. Students are systematically assessed by their thesis or applied research committee and undergo a defense of their research.
3. Program assessment also takes place through alumni surveys in conjunction with program reviews.

**Requirements for Degree**

1. Satisfy University degree requirements.
2. Complete a minimum of 40 credit hours including a core of 25 hours and an option (nine hours).
3. Complete an approved thesis or research query (six hours).
4. Successfully complete a written or oral examination as determined by the student's advisory committee.
5. Public presentation of thesis or research query.
6. Minimum cumulative GPA of 3.0.
7. Must be unconditionally admitted.

**Program Requirements****Core**

PA 605	Epistemology and Research Methodology	3
PA 610	Public and Administrative Law	3
PA 620	Bureaucracy and Public Management	3
PA 625	Public Budgeting and Finance	3
PA 635	Organizational Theory	3



PA 640	Theoretical Foundations of Public Administration	3
PA 641	Ethics in Public Administration	3
PA 660	Intergovernmental Relations	3
PA 690	Public Administration Internship	1

**Completion of one of the following three concentrations (nine hours):**

**Nonprofit Management and Community Development Concentration**

PA 655	Community Development	3
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**Choose two of the following:**

CIS 650	Innovation, Technology and Organizational Change	3
PA 656	Nonprofit Organizations	3
RAPP 610	Ideology and Policy Development in Appalachia	3
RAPP 611	Spatial Analysis	3
RAPP 620	Economic Development	3
RAPP 630	Graduate Seminar in Regional Issues	3
RAPP 637	Environmental Policy and Management	3
RAPP 670	Directed Research	3
RAPP 685	Advanced Environmental Education	3
SOC 620	Sociology of Education	3
SOC 635	Organizations in Contemporary Society	3
MNGT 612	Organizational Theory	3

**Subtotal: 9**

**Federalism and Public Affairs Concentration**

PA 650	Federalism Theory and Constitutional Law	3
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**Choose two of the following:**

GOVT 600	Seminar: State and Local Government	3
PA 611	Jurisprudence	3
PA 630	Politics of Public Policy	3
PA 645	Seminar in Founding Fathers and American Thought	3
PS 600	Political Science Seminar	3
RAPP 610	Ideology and Policy Development in Appalachia	3
RAPP 630	Graduate Seminar in Regional Issues	3
RAPP 670	Directed Research	3
SOC 615	Sociological Research	3
SOC 620	Sociology of Education	3

**Subtotal: 9**

**Homeland Security and Political Theory Concentration**

PA 680	Homeland Security	3
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**Choose two of the following:**

PA 630	Politics of Public Policy	3
PA 642	Western Political Theory I	3
PA 643	Western Political Theory II	3
PA 645	Seminar in Founding Fathers and American Thought	3
PA 681	American Diplomatic History	3
PS 600	Political Science Seminar	3
RAPP 670	Directed Research	3

**Subtotal: 9**

**Thesis/Capstone**

Completion of one of two research options (six credit hours):

1. Completion and defense of an approved thesis; PA 699 – Thesis, or
2. Completion of a capstone course (PA 695 - Research Query) and an applied research project (RAPP 670 or three hours of additional coursework approved by student's advisory committee).

**Dismissal from MPA**

All students pursuing the MPA must maintain a minimum cumulative 3.0 GPA. Students falling below a minimum 3.0 will be placed on a one semester period of probation. Students failing to achieve a GPA of 3.0 after one semester of probation will be dropped from the program. Any student who receives a grade of "C" or below in more than two courses taken for graduate credit will be immediately dropped from the program. This will be monitored by the MPA director.

The Department of Public Management and Government offers a Certificate in Intelligence Studies as part of the Bluegrass Intelligence Community Center for Academic Excellence. For more information on the certificate, go to: [www.moreheadstate.edu/politicalscience](http://www.moreheadstate.edu/politicalscience).

**Total Credit Hours: 40**

**Environmental Education Endorsement**

The Environmental Education Endorsement will provide in-service teachers and nonformal educators with skills and knowledge that will enhance their ability to teach higher-level thinking skills (including formal operations) across disciplines. The program is designed to provide applied, place-based examples and experiences that teachers can use when teaching facts and concepts in math, science, social studies and English. The program is appropriate for teachers from pre-K through secondary levels; however, middle school teachers will especially benefit from learning hands-on activities appropriate to students entering that phase of their learning ability.

Students seeking the fifth-year, M.A. in Education, M.A. in Teaching, and the Rank I in elementary, middle grades or secondary education may complete the Environmental Education Endorsement. Other certified teachers, students in the M.A. in Teaching program, and nonformal educators (for example, park naturalists, interpretive zoologists, etc.) enrolled at the graduate level are also eligible for this certificate as an extended area of study. To obtain an Environmental Education Endorsement, students must complete 12 credit hours of coursework that collectively meet the North American Association of Environmental Educators' "Guidelines for the Initial Preparation of Environmental Educators Standards." These courses may be taken as the content/specialization of the M.A. and fifth-year programs, M.S. programs, and the professional area of the Rank I program.

**Admission Requirements**

1. General admission to graduate study.
2. Standard or provisional teaching certification or a statement of eligibility for teaching. Those students seeking to develop expertise in the area of environmental education will be able to take courses, but it cannot be used for initial teacher certification.
3. A minimum of 2.75 undergraduate GPA.
4. Interview by faculty and/or professional staff associated with the Environmental Education Center.

### Program Competencies

1. Students will construct a basic understanding of the goals, theory, practice and history of the field of environmental education.
2. Students will be competent in the skills and understandings related to environmental literacy, including knowledge of environmental processes and systems and skills related to questioning, analysis and personal and civic responsibility.
3. Students will be able to combine the fundamentals of high quality educational practices with the unique features of environmental education to design and implement effective instruction.
4. Students will be able to engage learners in open inquiry and investigation, especially when considering environmental issues that are controversial and require students to seriously reflect on their own and others' perspectives.
5. Students will possess the knowledge, abilities and commitment to make assessment and evaluation integral to instruction and programs.
3. The student is required to complete the implementation and summation of a 40-hour Environmental Education learning unit.
4. Student must obtain a cumulative 3.0 GPA.
5. Successful completion of 12 hours of approved graduate credits.
6. Professional portfolio and/or presentation.
7. Apply for graduation at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.

**Total Credit Hours: 12**

### Assessment

1. Students must obtain a grade of at least "B" in the core courses and maintain an overall 3.0 GPA in the endorsement course work.
2. Upon completion of the coursework, candidates are required to complete the implementation and summation of a 40-hour environmental education learning unit and pass a multiple choice exit examination.
3. Professional portfolio and/or presentation.

### Endorsement Requirements

#### Core

RAPP 685	Advanced Environmental Education	3
RAPP 637	Environmental Policy and Management	3
		<b>Subtotal: 6</b>

#### Electives

Choose one elective from Group A and one elective from Group B:

#### Group A (choose one):

AGR 612	Conservation Workshop	3
BIOL 654	Environmental Education	3
BIOL 683	Selected Workshop Topics	1-4
RAPP 670	Directed Research	3
		<b>Subtotal: 3</b>

BIOL 683: (if approved by advisor)

#### Group B (choose one):

BIOL 635	Advanced Ecology	3
BIOL 636	Wetland Ecology and Management	3
GEO 605	Conservation of Natural Resources	3
SCI 676	Research Problems	1-6
		<b>Subtotal: 3</b>

### Additional Requirements for the Endorsement

1. Must be admitted to MSU's graduate program.
2. Students are required to apply for the exit exam at least two weeks prior to the exam date and must have advisor permission to take the exam. Additional written and/or oral examinations may be required as part of the comprehensive exam.

# College of Education

**Dr. Margo Elisabeth DelliCarpini, Dean**

100 Ginger Hall

606-783-2040 / Fax: 606-783-5029

Email: m.dellicarpini@moreheadstate.edu

## Early Childhood, Elementary and Special Education Department

**James Knoll, Chair**

301A Ginger Hall

606-783-2598

### Faculty

M. Decker, D. Grace, S. Hawkins-Lear, K. Hazler, J. Knoll (Chair), J. McCain, E. McLaren, A. Miller, T. Miller, K. Nettleton, J. Rutland, E. Schack, M. Schack, M. Shon, S. Stultz, M. Willis

## Interdisciplinary Early Childhood Education - Master of Arts in Teaching (MAT)

### Admissions Requirements

Program admission requirements are based on state requirements for entrance to a teacher education/alternative track programs, as well as common elements for MSU teacher education programs. Applicants must meet the following admission criteria. (Students cannot be conditionally admitted to this program or admitted as unclassified.) To meet certification regulations, IECE MAT students must, depending on their employment and certification status, satisfy the practicum requirement in one of two ways:

- Option 1 (*for students employed as the lead teacher in a public preschool or Head Start classroom with temporary provisional certification - Option 6 under state regulations*): Complete a minimum of four credit hours of EDEC 600 (enrolled for one credit each semester). Under Option 1, students will complete the program with a minimum of 43 credit hours.
- Option 2 (*for students NOT currently employed as a lead teacher - Traditional under state regulations*): Complete six credit hours of EDUC 650 during final semester. Under Option 2, students will complete the program with a minimum of 45 credit hours.

Requirements include:

1. Official transcript from an accredited institution verifying a baccalaureate degree with a GPA of at least 2.75 on a 4.0 scale; or a GPA of 3.0 on a four point scale on the last 30-hours of coursework taken at either the graduate or undergraduate level.
2. Successful completion of the following PRAXIS pre-professional skills assessments:
  - Praxis Core Academic Skills for Educators (CASE): Reading (5712) – 156;
  - Praxis Core Academic Skills for Educators (CASE): Writing (5722) – 162; and
  - Praxis Core Academic Skills for Educators (CASE): Mathematics (5732) – 150, **OR**
 Successful completion of the Graduate Record Exam (GRE) with the following corresponding scores:

- Verbal with a minimum score of 150,
- Quantitative with a minimum score of 143, and
- Analytical Writing with a minimum score of 4.0.

3. Completion of and successful evaluation by program faculty of an admission interview demonstrating 1) effective communication, 2) creativity, 3) critical thinking, 4) ability to effectively collaborate with others, and 5) an understanding of the professional dispositions required of teachers.
4. A signed statement that the applicant has read and understands the Professional Code of Ethics for Kentucky School Certified Personnel and Kentucky's fitness and character requirements for teachers.
5. Submission of a graduate application form.
6. Submission of a national and state criminal history background check by the Kentucky State Police and the Federal Bureau of Investigation that meets the requirements of Kentucky House Bill 204.
7. Proof of CAN (Child Abuse and Neglect) Central Registry Check from the Kentucky Cabinet for Health and Family Services.

### Eligibility to Continue in the Program

In order to continue in the IECE MAT program, the student must achieve and maintain a minimum GPA of 3.0 on a 4.0 scale

### Exit Requirements

1. Cumulative GPA of 3.0.
2. Submission and review of the program completion portfolio demonstrating proficient performance of the competencies for early childhood educators.
3. Attainment of state mandated pass scores on required PRAXIS examination(s). Current requirement is a score of 166 on Interdisciplinary Early Childhood Education (0023).
4. Complete the College of Education online training module on diversity. Degree candidates will be notified of this requirement at the time of admission and must complete prior to program completion.

### Certification

Once a candidate is admitted to the MAT program, he/she must begin taking classes within 90-days and are immediately eligible to be employed as a highly qualified teacher with temporary provisional certification.

At time of admission to the program, candidates will be eligible to be employed with temporary provisional certification. In order to begin the KTIP year, candidates must pass the IECE PRAXIS. Candidates must complete the IECE certification program and KTIP within three years of initial hire with temporary provisional certification. If candidates fail to complete the program and KTIP, they will no longer be highly qualified for IECE.

### Program Requirements

#### Foundations

EDSP 601	Survey of Exceptional Children	3
EDF 610	Advanced Human Growth and Development	3

EDF 680	History and Philosophy of Education	3
		<b>Subtotal: 0-9</b>

EDSP 601: or a previously taken equivalent introduction to special education course taken at the graduate or the undergraduate level.

EDF 610, EDF 680: or a previously taken equivalent introduction to professional education course taken at the graduate or the undergraduate level.

#### Concentration in IECE

##### Methods

IECE 654	Administration in Early Childhood Programs	3
IECE 615	Families and Young Children	3
IECE 655	Advanced Early Childhood Assessment	3
EDEC 637	Early Childhood Education	3
EDSP 605	Early Childhood Special Education	3
IECE 631	Guidance for Young Children	3
EDEC 627	Infant and Toddler Curriculum	3
IECE 601	Early Intervention	3
		<b>Subtotal: 24</b>

Sections of the supervised practicum courses designated for IECE candidates will be offered.

##### Practicum

IECE 650	Seminar: Early Childhood Education	3
EDUC 651	Practicum II	6
IECE 651	Seminar: Infant and Toddler	3

#### For candidates enrolled in Option 6 with temporary provisional certification

EDEC 600	Workshop	4
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Repeated each semester of employment with Temporary Provisional Certification.

#### For candidates enrolled in Traditional program

EDUC 650	Practicum I	6
		<b>Subtotal: 16-18</b>

##### Research Competency

EDF 600	Research Methods in Education	3
		<b>Subtotal: 3</b>

**Total Credit Hours: 43-54**

## Post Baccalaureate Certification in Special Education

### Admission Requirements

1. Unconditional admission to the program.
2. Successful completion of a prior teacher education program, and
3. Attainment of a cumulative GPA of 3.0 in an undergraduate program of teacher preparation, or
4. Successful completion of a graduate program in education at either the initial or advanced level.

### Certification Requirements

#### Special Education Core

EDSP 367	Educational Assessment	3
		or
EDGC 661	Measurement Principles and Techniques	3
EDSP 356	Applied Behavior Analysis	3

EDSP 631	or Advanced Behavior Management	3
EDSP 372	Transition to Adult Life	3
EDSP 607	or Employability of the Handicapped	3
EDSP 365	Including Students with Diverse Needs in the Classroom*	3
EDSP 630	Universal Design for Learning	3
EDTL 604	or Collaboration for Teachers	3

#### Special Education Options (Choose LBD or MSD)

##### Learning and Behavior Disorders (P-12)

EDSP 355	Teaching Students with LBD*	3
EDSP 359	Practicum in Teaching for Students with LBD*	1
EDSP 353	Language Arts Teaching LBD*	3
EDSP 357	Math and Content Teaching LBD*	3

**Subtotal: 10**

##### Moderate and Severe Disabilities (P-12)

EDSP 616	Designing, Delivering and Managing Instruction of Students with Moderate and Severe Disabilities I	3
EDSP 374	or Teaching Students with Moderate and Severe Disabilities*	3
EDSP 617	Designing, Delivering and Managing Instruction with Moderate and Severe Disabilities II	3
EDSP 370	or Transdisciplinary Assessment of Students with Moderate and Severe Disabilities	3
EDSP 618	Curriculum for MSD	3
EDSP 373	or Curriculum for Students with Moderate and Severe Disabilities*	3

**Subtotal: 9**

##### Practicum

EDSP 675	Practicum in Special Education	3-6
		<b>Subtotal: 6</b>

### Exit Requirements

1. PRAXIS test requirements.
2. Minimum cumulative GPA of 3.0.

## Middle Grades and Secondary Education Department

Wayne Willis, Interim Chair

601 Ginger Hall

606-783-2834

### Faculty

W. Willis (Interim Chair), J. Fernandez, K. Lafferty, D. Lambert, S. Lindsey, L. Lennex, S. Riegle, K. Sharp, M. Sims

## Master of Arts in Teaching (MAT) Program

The Master of Arts in Teaching (MAT) program is designed to provide candidates, who have attained a bachelor's degree, the opportunity to achieve certification and a master's degree while employed via Temporary Provisional Certification. The curriculum is rigorous and intentionally designed to address state and national standards, with the major focus being that of providing quality teachers to fill posted vacancies in Kentucky public/private schools. Instruction, mentoring and coaching are emphasized in all programs as key to assisting candidates with professional growth.

Students employed via Temporary Provisional Certification whose employment is terminated by the employing district for cause may be suspended from the program until the Education Professional Standards Board (EPSB) rules on the district's allegation(s). Following EPSB's decision, the student may either be suspended from or reinstated in the MAT program.

The MAT program requires completion of a two-semester practicum. The fall practicum will include 200 hours of field experience in a variety of P-12 school settings. The spring practicum will include a minimum of 70 full days in school settings that correspond to grade level and content areas of certification.

## Middle Grades 5-9 – Master of Arts in Teaching (MAT)

The Master of Arts in Teaching will lead to certification in the Middle Grades with a concentration in English, mathematics, science or social studies.

### Admission Requirements

1. Official transcript from an accredited institution verifying a baccalaureate degree with a GPA of at least 2.75 on a 4.0 scale; or a GPA of 3.0 on a four point scale on the last 30-hours of coursework taken at either the graduate or undergraduate level.
2. Successful completion of the following PRAXIS pre-professional skills assessments:
  - Praxis Core Academic Skills for Educators (CASE): Reading (5712) – 156;
  - Praxis Core Academic Skills for Educators (CASE): Writing (5722) – 162; and
  - Praxis Core Academic Skills for Educators (CASE): Mathematics (5732) – 150, **OR** Successful completion of the Graduate Record Exam (GRE) with the following corresponding scores:
    - Verbal with a minimum score of 150,
    - Quantitative with a minimum score of 143, and
    - Analytical Writing with a minimum score of 4.0.
3. Completion of and successful evaluation by program faculty of an admission interview demonstrating 1) effective communication, 2) creativity, 3) critical thinking, 4) ability to effectively collaborate with others, and 5) an understanding of the professional dispositions required of teachers.
4. A signed statement that the applicant has read and understands the Professional Code of Ethics for Kentucky School Certified Personnel and Kentucky's fitness and character requirements for teachers.
5. Submission of a graduate application form.

### Eligibility to Enroll in MAT Middle Grades Program Coursework

Candidates are eligible to enroll in courses required for the MAT Middle Grades Program when they fulfill all of the admission requirements.

### Eligibility to Continue in the Program

The following condition must be met to determine eligibility to continue taking courses for credit toward the MAT Middle Grades Program.

The student must have:

1. Achieved and maintained a minimum GPA of 3.0 on a 4.0 scale

### Option Six Program

A student is admitted to the option 6 program when he/she obtains a full-time teaching position within a Kentucky accredited school. At that time a Temporary Provisional Certificate can be issued, which is valid for one year and must be renewed each additional year through the MAT program for a total of three years

### Traditional Program

A student will be admitted to the Traditional Program if he/she wishes to complete the student teaching requirement as per KY EPSB regulations.

### Background Check

Students must complete a background check as required by the district in which the student will be teaching (full-time) or student teaching.

### Exit Requirements

Candidates must:

1. Have maintained a GPA of 3.0; no credit is awarded when the grade earned is below a "C."
2. Successfully complete the supervised teaching experience courses (EDUC 650 and EDUC 651).
3. Pass the PRAXIS Specialty Exam(s) in the content major prior to the Kentucky Teacher Internship Program (KTIP) experience. Students must pass the Principles of Teaching and Learning exam (PLT) and the PRAXIS Specialty Exams to be eligible for degree completion.
4. Successfully complete program-required portfolio (EDUC 650 and EDUC 651).
5. Apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.
6. Complete the College of Education online training module on diversity. Degree candidates will be notified of this requirement at the time of admission and must complete prior to program completion.

### Other Program Procedures and Requirements

1. Once accepted into the MAT program candidates seeking employment in a public/private school may secure, along with the school district and the MSU Master of Arts in Teaching program, a Temporary Provisional Certificate. Candidates may accomplish this through the completion of a CA-TP form available at the school system where employment is desired. The candidate completes pages one and three and then must

obtain signatures of the school district superintendent and then mailed to the MSU Certification. Finally the form must be submitted to the Education Professional Standards Board by the MSU Certification Officer.

2. Candidates who are not employed as full-time teachers must be available for supervised student teaching in a public school for a minimum of two semesters. During the fall term, the candidate will complete 200 hours of observations/teaching and during the spring term, he/she must complete 70 full days of student teaching.
3. No credit will be given toward completion of required coursework for any MAT program for correspondence courses.
4. Candidates who fall below a cumulative 3.0 GPA will be placed on probation. Candidates on probation will be allowed to repeat MAT required courses or to take graduate courses that do not count for credit in the MAT Program to raise their GPA to a 3.0. If after that semester candidates fail to achieve a 3.0 GPA, they will be dropped from the MAT program.
5. Candidates employed via Temporary Provisional Certification whose employment is terminated by the student or the employing district for unethical practices will be suspended from the MAT program until the Education Professional Standards Board (EPSB) rules on the district's allegation. When a decision is rendered, the candidate will either be expelled from or reinstated in the program, based on EPSB's decision. In all cases where employment has ended, the candidate must alert the MSU Certification Officer.

## Program Requirements

### Professional Core

EDF 610	Advanced Human Growth and Development	3
EDF 611	Adolescent Development	3
EDMG 636	Middle School Curriculum	3
EDEL 640	Contemporary Instructional Practices in Grades P-9	3
EDSE 633	Effective Classroom Instruction	3
EDEL 677	Reading in the Content Areas	3
EDSP 601	Survey of Exceptional Children	3
EDF 680	History and Philosophy of Education	3

*EDSP 601: This course is required when student has not successfully completed at least one course in the area of Special Education. The need to take this course will be determined at the Program Entrance and Design Interview.*

### Supervised Clinical Practice

EDUC 650	Practicum I	6
EDUC 651	Practicum II	6
EDUC 652	Applied Classroom Practice Modules I	2
EDUC 653	Applied Classroom Practice Modules II	1

*EDUC 652: must take with EDUC 650*

*EDUC 653: must take with EDUC 651, required when recommended by MSU supervisor*

## Content Area

Choose six hours from content area

## Extending Certification

Students who complete the MAT in Middle Grades and wish to obtain certification in the same secondary content area must complete the following:

1. Complete another graduate application listing the additional certification only and not another MAT program.
2. Must meet admission criteria.
3. Submit substitution forms if applicable.
4. Successfully complete EDSE 634.
5. Must successfully complete PRAXIS tests (PLT & Area).
6. Must apply for completion of the program.

**Total Credit Hours: 36**

## Secondary – Master of Arts in Teaching (MAT)

This program is designed for individuals who have earned an undergraduate degree in biology, business, chemistry, earth science, English, French, health, math, physical education, physics, social studies, Spanish or a closely related field. It offers an opportunity for candidates to earn Professional Teaching Certification while completing a Master of Arts in Teaching degree. The degree provides candidates who have been granted a Temporary Provisional Certificate with a mechanism for refining and demonstrating their teaching skills and competencies during participation in the MAT program.

A master's degree with professional certification is the end result of successful completion of the PRAXIS Tests, a 36-hour program, and successful completion of KTIP from the KY Education Professional Standards Board (EPSB).

## Admission Requirements

1. Official transcript from an accredited institution verifying a baccalaureate degree with a GPA of at least 2.75 on a 4.0 scale; or a GPA of 3.0 on a four point scale on the last 30-hours of coursework taken at either the graduate or undergraduate level.
2. Successful completion of the following PRAXIS pre-professional skills assessments:
  - Praxis Core Academic Skills for Educators (CASE): Reading (5712) – 156;
  - Praxis Core Academic Skills for Educators (CASE): Writing (5722) – 162; and
  - Praxis Core Academic Skills for Educators (CASE): Mathematics (5732) – 150, **OR**  
Successful completion of the Graduate Record Exam (GRE) with the following corresponding scores:
    - Verbal with a minimum score of 150,
    - Quantitative with a minimum score of 143, and
    - Analytical Writing with a minimum score of 4.0.
3. Completion of and successful evaluation by program faculty of an admission interview demonstrating 1) effective communication, 2) creativity, 3) critical thinking, 4) ability to effectively collaborate with others, and 5) an understanding of the professional dispositions required of teachers.
4. A signed statement that the applicant has read and understands the Professional Code of Ethics for Kentucky School Certified Personnel and Kentucky's fitness and character requirements for teachers.
5. Submission of a graduate application form.

### Eligibility to Enroll in Coursework

Candidates may enroll in classes required for the Master of Arts in Teaching Secondary Education or Business, French or Spanish programs when they have fulfilled all of the admission requirements.

### Eligibility to Continue in the Program

The following conditions must be met to determine eligibility to continue taking courses for credit toward the MAT degree:

1. Achieved and maintained a minimum GPA of 3.0 on a 4.0 scale.

### Option Six Program

A student is admitted to the Option Six Program when he/she obtains a full-time teaching position within a Kentucky accredited school. At that time, a Temporary Provisional Certificate can be issued, which is valid for one year and must be renewed each additional year through the MAT program for a total of three years.

### Traditional Program

A student will be admitted to the Traditional Program if he/she wishes to complete the student teaching requirement as per KY EPSB regulations.

### Background Check

Students must complete a background check as required by the district in which the student will be teaching (full-time) or student teaching.

### Exit Requirements

#### Candidates must:

1. Have maintained a cumulative GPA of 3.0; no credit is awarded when the grade earned is below a "C."
2. Successfully complete the Supervised Teaching Experience courses (EDUC 650 and EDUC 651).
3. Pass the PRAXIS Specialty test(s) in the content major prior to the KTIP experience. Students must pass the Principles of Teaching and Learning exam (PLT) and the PRAXIS Specialty exams for degree completion.
4. Successfully complete program-required portfolio (EDUC 650 and EDUC 651).
5. Students must file an application for degree completion in the Graduate School, no later than the beginning of the semester during which they plan to complete all degree requirements.
6. Complete the College of Education online training module on diversity. Degree candidates will be notified of this requirement at the time of admission and must complete prior to program completion.

### Other Program Procedures and Requirements

1. Once accepted into the MAT program, candidates seeking employment in a public/private school may secure, along with the school district and the MSU Master of Arts in Teaching Program, a Temporary Provisional Certificate. Candidates may accomplish this through the completion of a CA-TP form available at the school system where employment is desired. The candidate completes pages one and three and then must obtain signatures of the school district superintendent and the MSU Certification Officer. Finally the form must be submitted to the Education Professional Standards Board by the MSU Certification Officer.
2. Candidates who are not employed as full-time teachers must be available for supervised student teaching in a public school

for a minimum of two semesters. During the fall term, the candidate will complete 200 hours of observations/teaching and during the spring term, he/she must complete 70 full days of student teaching.

3. No credit will be given toward completion of required coursework for any MAT Program for correspondence courses.
4. Candidates who fall below a 3.0 GPA will be placed on probation. Candidates on probation will be allowed to repeat MAT required courses or to take graduate courses that do not count for credit in the MAT Program to raise their GPA to a 3.0. If after that semester, candidates fail to achieve a 3.0 GPA they will be dropped from the MAT Program.
5. Candidates employed via Temporary Provisional Certification whose employment is terminated by the student or the employing district for unethical practices will be suspended from the MAT Program until the Education Professional Standards Board (EPSB) rules on the district's allegation. When a decision is rendered, the candidate will either be expelled from or reinstated in the program, based on EPSB's decision. In all cases the candidate must notify the MSU Certification Officer.

### Program Requirements

#### Professional Core

EDF 610	Advanced Human Growth and Development	3
EDF 611	or Adolescent Development	3
EDSE 634	Secondary School Curriculum	3
EDSE 633	Effective Classroom Instruction	3
EDEL 640	or Contemporary Instructional Practices in Grades P-9	3
EDEL 677	Reading in the Content Areas	3
EDSP 601	Survey of Exceptional Children	3
EDF 680	or History and Philosophy of Education	3
		<b>Subtotal: 15</b>

*EDSP 601: This course is required when a student has not successfully completed at least one course in the area of special education. The need to take this course will be determined at the Program Entrance and Design Interview.*

#### Supervised Clinical Practice

EDUC 650	Practicum I	6
EDUC 651	Practicum II	6
EDUC 652	Applied Classroom Practice Modules I	2
EDUC 653	Applied Classroom Practice Modules II	1
		<b>Subtotal: 15</b>

*EDUC 652: must take with EDUC 650*

*EDUC 653: must take with EDUC 651, required when officially recommended by MSU supervisor*

#### Content Area

Chose six hours from content area.

**Subtotal: 6**

## Extending Certification

Students who complete the MAT in Secondary Education and wish to obtain certification in the same middle grade content area must complete the following:

1. Complete another graduate application listing the additional certification only and not another MAT program.
2. Submit substitution forms if applicable.
3. Must successfully complete EDMG 636.
4. Must successfully complete one teaching methods course: EDEL 622, EDEL 623, ENG 612, MATH 631, SCI 691, or SCI 690.
5. Apply for completion of the program.

**Total Credit Hours: 36**

## Foundational and Graduate Studies in Education

**Chris Miller, Chair**

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### Faculty

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## English as a Second Language Endorsement

This program is an online ESL endorsement program, which provides comprehensive training for teachers to instruct students whose first language is not English. The program consists of 12 credit hours presented as four courses with embedded field experiences.

### Admission Requirements

1. General admission to graduate study.
2. An acceptable admission index by meeting any of the following:
  - a. GRE score (verbal + quantitative) x undergraduate GPA = 850 (minimum)
  - b. Miller Analogies Test (MAT) scaled score \* undergraduate GPA = 980 (minimum)
  - c. The test requirement is waived for candidates who have successfully completed a master's degree.
3. A teaching certificate or statement of eligibility.

### Program Competencies

1. Describe the English language system (phonology, morphology, syntax, semantics and pragmatics) and apply knowledge for instructional purposes.
2. Compare and contrast first and second language development and theories.
3. Demonstrate ability to apply research-based practices, strategies and technology to plan, implement and manage standards-based ESL and content instruction.
4. Apply cultural and ethical principles to teaching English to speakers of other languages.
5. Conduct assessments in various teaching situations.
6. Adapt instruction to English language learners' academic needs and linguistic backgrounds.

## Assessment

1. Program completion rate
2. PRAXIS pass rate
3. Student self-assessment
4. Student program evaluation
5. Portfolio documentation of meeting standards
6. Tracking of graduates to determine TESOL training effect on employment

## Endorsement Requirements

### Required:

EDSL 601	Linguistics for TESOL	3
EDSL 602	TESOL Theory and Practice	3
EDSL 603	Language and Culture	3
EDSL 604	TESOL Methods and Materials	3

## Exit Requirements

1. Must be admitted to the program.
2. Must have a minimum cumulative GPA of 3.0.
3. Must successfully complete required PRAXIS exams.
4. Must apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.
5. Must provide evidence in FOLIO 180 of having met Kentucky Teacher Standards and National TESOL standards.

**Total Credit Hours: 12**

## Adult and Higher Education - Master of Arts

The Adult and Higher Education graduate program is designed to develop the capacity of individuals to plan, organize and carry through a variety of education and service programs to meet adult learners' needs in postsecondary and adult continuing education institutions. The program is flexible insofar as students may plan their programs for preparation in teaching, administration, student personnel, or developmental studies. **This program is not approved for rank change for public school teachers.**

### Admission Requirements

1. General admission to graduate study.
2. Two years of relevant professional experience is advisable.
3. A GRE score of 283 (verbal and quantitative combined) with a minimum verbal score of 145 or a 31 raw score (381-386 Scaled Score) on the Miller Analogies Test is required.
  - a. Those not meeting the initially required GRE or MAT scores may alternately be admitted with a GRE index (GRE x undergraduate GPA) of at least 764 or MAT index (MAT scaled x undergraduate GPA) of at least 1,030, so long as the index results do not conflict with general graduate admission requirements.
  - b. For students who have not met the testing requirements for admission into the program, but who have successfully completed nine (9) hours of coursework required for the program with at least a 3.5 or above GPA, the department chair may waive the testing requirement.
  - c. The department chair will waive the testing requirement for students who have already completed a master's degree.



- TOEFL 525 (197 computer-based) or 74 on English Language Instruction Test of the University of Michigan, for international students.

### Program Competencies

- Familiarity with adult education and higher education in the United States, including historical development, current purposes, functions and issues in the fields, and general directions for the future (EDAH 644, EDAH 647, EDAH 643 and EDAH 688).
- Awareness of adult education as a unique segment of the broad field of education (EDAH 647 and EDAH 688).
- Knowledge of the unique physical, psychological and social characteristics of the adult learner and implications for the teaching of adults (EDAH 647, EDAH 650, EDAH 651, EDAH 670, EDAH 676 and EDAH 678).
- Knowledge of the basic principles and methods of program/curriculum development and evaluation (EDAH 653).
- Familiarity with and understanding of the experimental studies, scientific investigations and theoretical writings pertinent to both higher education and adult learning (EDF 600, EDAH 644, EDAH 647, EDAH 651, 670 and 676).
- Understanding of program problems and personnel issues associated with providing instruction in postsecondary institutions for the adult learner (EDAH 643, EDAH 670, EDAH 676 and EDAH 678).
- Familiarity with the principles of organization and administration of personnel programs and services in higher education (EDAH 641 and 642).
- Understanding of the impact, social and psychological influences, and economic influence of under education on the society and the individual; understanding the needs and design of programs to address literacy problems, developmental education needs, and remediation of adult learners (EDAH 650).
- Area expertise to support each student's career (individual area of specialization).

### Assessment

During the final semester of study, all students complete a comprehensive written examination to be assessed by faculty members from Adult and Higher Education and one optional faculty member from the student's specialty area. See #4 listed above under the degree requirements section for more information detailing the exit.

### Requirements for the Degree

- Satisfy the general degree requirements.
- If a student has not become unconditionally admitted after completing 12 graduate hours, he/she will not be allowed to register for additional hours. Must be unconditionally admitted to complete the degree program.
- All graduate students pursuing programs of study in the Department of Foundational and Graduate Studies in Education must maintain a 3.0 cumulative graduate GPA. Students falling below a 3.0 will be placed on a one-semester period of probation. Students failing to achieve a cumulative graduate GPA of at least 3.0 at the end of the probation semester will be dropped from their respective program. Students who receive grades of "C" or below in more than two courses will be immediately dropped from his/her respective program. Any student receiving an "E" in any course will be

placed on probation and no additional coursework will be accepted toward the program until the course in question is retaken with a grade of "B" or higher. Only courses in which a student earns a grade of "C" or higher may be used to satisfy degree requirements.

- In the final spring or fall semester of the prescribed program of study, and with the consent of the program advisors, students must successfully complete a written comprehensive examination (to be assessed by faculty). Students not passing the examination may retake it near the end of the following semester (at least three months must elapse between exams). If the student does not pass the second written exam, he or she can retake the exam a third and final time near the end of the following semester (after at least three months have elapsed). For this third and final attempt to complete the exam, the student has the option of taking either an oral or written exam. Students not passing the third and final exam attempt will not graduate from the program.
- Completion of the following program:

### Program Requirements

#### Required Core

EDAH 644	Principles of Higher Education	3
EDAH 647	Principles of Adult Education	3
EDF 600	Research Methods in Education	3
EDAH 643	Seminar in Higher Education	3
EDAH 688	Seminar in Adult Education	3
		<b>Subtotal: 12</b>

#### Electives

(Nine hours minimum) *to be chosen from the following courses or from the community college courses listed as a focus area option*

EDAH 641	Administrative and Management	3
EDAH 642	Issues in Higher Education	3
EDAH 642	Student Personnel in Higher Education	3
EDAH 650	Developmental Education for Adult Students	3
EDAH 651	Human Development in Adulthood	3
EDAH 653	Program/Curriculum Development and Evaluation	3
EDAH 660	Survey of Community College	3
EDAH 661	The Community College Student	3
EDAH 662	Seminar in Community College	3
EDAH 680	Selected Topics	1-3
		<b>Subtotal: 9</b>

EDAH 660, EDAH 661, and EDAH 662: *Must be taken as a concentration course for those choosing community college as a concentration.*

#### Concentrations

##### Community College Concentration:

EDAH 660	Survey of Community College	3
EDAH 661	The Community College Student	3
EDAH 662	Seminar in Community College	3
		<b>Subtotal: 9</b>

*or other concentrations as approved by advisor.*

The concentration, preparing the student for their chosen career, may be from courses in any one of several disciplines. For example, students interested in counseling should take courses in the counseling area.

*NOTE: Students may write a thesis in lieu of six hours of coursework. Also, with approval, EDAH 670 - Directed Research, EDAH 676 - Directed Study, or EDAH 678 - Internship, may be substituted for up to six-hours of elective coursework. The program is designed to be completed in a minimum of 30 semester hours, but based on student need, additional credit hours may be required.*

**Total Credit Hours: 30**

## Counseling - Master of Arts

The graduate program in counseling prepares candidates as school counselors and mental health counselors at the master's and educational specialist levels. At the master's level, students acquire core knowledge and clinical skills, which enable them to enter the profession of counseling. Graduates in the educational specialist programs develop advanced skills in clinical work and research. We strive to create a rigorous scholarly and supportive atmosphere for students to develop intellectually with a deep sense of social consciousness, professional ethics and self-awareness. We value teaching, scholarship and service, which contribute to the mission of the College of Education at MSU.

Successful completion of the requirements of the M.A. in Counseling leads to a Provisional School Counseling Certificate grades P-12.

A student planning a career as a counselor in mental health is required by Kentucky law to complete the coursework requirements for the Ed.S Licensed Professional Clinical Counselor (LPCC) program. The specific 60 credit hours of coursework in this program are aligned with Kentucky's LPCA licensure requirements. Additional hours of supervised practice and taking and passing the National Counseling Exam (NCE) are also required by the Kentucky Licensure Board.

### Admission Requirements

1. General admission to graduate study.
2. A GRE score of 286 (verbal and quantitative) with a minimum verbal score of 143 or a raw score of 33 (385-390 Scaled Score) on the Miller Analogies Test is required.
  - a. The department chair may waive the testing requirement for students who have at least a 3.5 or higher cumulative GPA after having completed 12 graduate hours within the program.
  - b. The department chair will waive the testing requirement for students who have already completed a master's degree.
3. TOEFL 525 (197 computer-based) or 74 on English Language Instruction Test of the University of Michigan, for international students.

### Program Competencies

1. Knowledge of the major contemporary theories, which form the foundation for the current practice of professional counseling (EDGC 619, EDGC 620, EDGC 656 and EDGC 666).
2. Knowledge of basic research techniques and methodologies sufficient to function as informed consumers of professional literature and to conduct applied and action research projects (EDF 600).
3. Knowledge of the organization and administration of school counseling and guidance services consistent with current professional standards and Commonwealth of Kentucky statutes and regulations (EDGC 620, EDGC 656, EDGC 665 and EDGC 669).

4. Knowledge of fundamental psycho-educational assessment theory and practice. Knowledge of legal and ethical issues in assessment and testing. Knowledge of how to (1) select standardized tests, (2) interpret scores to students, parents, and school personnel (EDGC 661).
5. Knowledge of human development, learning, and behavior required to function as entry-level professional school counselors (EDF 610, EDGC 620, 656 and 666).
6. Knowledge of legal and ethical issues in counseling (EDGC 656, EDGC 668, EDGC 620, EDGC 661, EDGC 669).

### Clinical Competencies

1. Demonstrate the ability to use various theoretical formulations, interview techniques and appropriate psycho-educational instruments (EDGC 619, 661, 666, 667, 671 and 669).
2. Demonstrate the ability to select and apply a variety of interventions in the conduct of professional counseling with a variety of clients and client problems (EDGC 619, 620, 665, 666, 667, 671 and 669).
3. Demonstrate the ability to select, administer, score and interpret a variety of psycho-educational instruments appropriate for entry-level professional counselors (EDGC 661).
4. Demonstrate the ability to design and execute applied and action research projects for study in the field of counseling (EDF 600, EDGC 661).
5. Demonstrate appropriate, ethical, and professional interpersonal skills for both individual and group counseling as well as for consultation settings (EDGC 620, 656, 665, 666, 667, 668, 669 and 671).

*\*Academic and clinical competencies are aligned with the Kentucky EPSB New and Experienced Counselor Standards.*

### Assessment

Students in their final semester of study in the program are required to successfully complete a comprehensive and objective written final exit exam. Students who fail to achieve the minimum passing score may retake the written examination after consultation with their advisor. Failing to perform adequately on the second exit examination will result in the opportunity to take and pass an oral exam. If the student does not pass the oral exam, a remediation plan for the student will be developed by the program faculty. If after the remediation plan is completed and the student is unsuccessful in the third attempt at the exam, the student will be dismissed from the counseling program.

*NOTE: Persons doing counseling outside of schools - pastors, social workers and others - are expected to apply for the Ed.S in counseling program. The Ed.S program does not qualify the candidate for certification as a counselor in the public schools or lead to a rank change.*

This program provides strong leadership training for candidates who choose to serve as classroom teachers throughout their professional careers. The TL program allows candidates to hone skills to serve as resource teachers, consultants, committee chairs and instructional leaders among their peers in their schools and districts. For those seeking to be leaders in their own schools and districts, the program prepares candidates to pursue opportunities beyond their own classroom and to focus on skills needed to leverage both internal and external resources that influence student achievement. An underlying philosophy of the program is that student learning is enhanced when schools are filled with

instructional leaders who understand and model effective teaching and learning practices and who are able to mentor others to become more effective leaders.

### Requirements for the Degree

1. Satisfy the general degree requirements.
2. If a student has not been unconditionally admitted after completing 12 graduate hours, he/she will not be allowed to register for additional hours.
3. All graduate students pursuing programs of study in the Department of Foundational and Graduate Studies in Education must maintain a 3.0 graduate GPA. Students falling below a 3.0 will be placed on a one semester period of probation. Students failing to achieve a graduate GPA of at least 3.0 at the end of the probation semester will be dropped from their respective program. Any student who received grades of "C" in more than two graduate courses will be immediately dropped from his/her respective program.
4. Students are expected to adhere to the ethical standards and guidelines of the American Counseling Association, the American School Counselor Association, and/or the American Mental Health Counselors Association. Breach of ethical practices will result in dismissal from the program.
5. Students in practicum and advanced practicum are required to have personal liability coverage. Previously students have been allowed to use their professional association liability coverage (through KEA) in practicum and advanced practicum. This will no longer be allowed as these policies only cover their members in their regular work duties and not specifically as a student counselor. The department will accept any personal professional liability insurance that specifically states it covers student counselors/counselors in training in their role as a student counselor. An example of this would be Health Care Providers Service Organizations ([www.hpsso.com](http://www.hpsso.com)). If you have any questions, contact any faculty member in the Counseling unit.
6. Students must complete the following:

### Program Requirements

#### Counseling Core

EDGC 619	Career Counseling	3
EDGC 620	Psycho-Social and Multicultural Factors in Counseling	3
EDGC 656	Introduction to Counseling	3
EDGC 664	Theories of Counseling	3
EDGC 665	Philosophy and Practice of School Counseling	3
EDGC 667	Group Counseling	3
EDGC 668	Legal and Ethical Issues in Counseling	3
EDGC 669	Practicum in Counseling	3
EDGC 671	Practices and Techniques in Counseling	3

**Subtotal: 27**

*EDGC 664: (formerly EDGC 666)*

#### Professional Education Core

EDF 600	Research Methods in Education	3
EDF 610	Advanced Human Growth and Development	3
EDGC 661	Measurement Principles and Techniques	3

**Subtotal: 9**

**Total Credit Hours: 36**

### Teacher Leader - Master of Arts in Education

This program provides strong leadership training for candidates who choose to serve as classroom teachers throughout their professional careers. The TL program allows candidates to hone skills to serve as resource teachers, consultants, committee chairs and instructional leaders among their peers in their schools and districts. For those seeking to be leaders in their own schools and districts, the program prepares candidates to pursue opportunities beyond their own classroom and to focus on skills needed to leverage both internal and external resources that influence student achievement. An underlying philosophy of the program is that student learning is enhanced when schools are filled with instructional leaders who understand and model effective teaching and learning practices and who are able to mentor others to become more effective leaders.

Teacher Leader master's candidates can select a wide variety of areas of specialization including:

- Alternate Area of Emphasis
- Biology
- Business and Marketing (content concentration)
- Business and Marketing (technology concentration)
- Educational Technology
- English
- Environmental Education Endorsement
- Gifted Education
- Health and Physical Education
- IECE (Non-IECE certification)
- Interdisciplinary P-5
- Mathematics
- Middle Grades 5-9
- Literacy Specialist Endorsement
- School Community Leader
- Social Studies
- Special Education

### Admission Requirements

*(For ALL areas of specialization)*

1. General admission to graduate study.
2. An acceptable admission index by meeting any of the following:
  - a. GRE score (verbal + quantitative) x undergraduate GPA = 850 (minimum);
  - b. Miller Analogies Test (MAT) scaled score x undergraduate GPA = 980 (minimum);
  - c. The test requirement is waived for candidates who have successfully completed a master's degree.
3. A valid teaching certificate or statement of eligibility.
4. For candidates selecting the Literacy Specialist Endorsement or School Community Leader areas and also seeking National Board Certification, admission to the National Board for Professional Teaching program is also required.

### Alternate Admission Requirements

Candidates may be admitted to the program by meeting one of the following:

1. For students who have not met the testing requirements for admission into the program, but who have successfully completed 12 hours of coursework required for the program

with at least a 3.5 or above GPA, the department chair may waive the testing requirement. The department will waive the testing requirement for students who have already completed a master's degree; **OR**

2. Prior to registering for the fifth course, candidates may submit a GRE or MAT score that results in an acceptable admission index. The admission index will be determined by the following:
  - a. GRE score (verbal + quantitative) x undergraduate GPA = 850 (minimum);
  - b. Miller Analogies Test (MAT) scaled score x undergraduate GPA = 980 (minimum).

### Program Competencies

The following list includes the student competencies for the Teacher Leader program and the course(s) in which each competency is discussed (D), enhanced (E), assessed (A), and/or contains a critical performance (CP).

1. Be leaders in their schools and districts [EDTL 601 (A), EDTL 602 (D), EDTL 604 (D), EDTL 605 (D), and EDTL 606 (D)].
2. Evaluate high-quality research on student learning and college readiness [EDTL 601 (D), EDTL 603 (A), EDTL 605 (CP), and EDTL 606 (E)].
3. Delivers differentiated instruction for P-12 students based on continuous assessment of student learning and classroom management [EDTL 602 (E), EDTL 603 (E), EDTL 604 (E), EDTL 605 (D), and EDTL 606 (A)].
4. Gains experience in content knowledge (within areas of specialization).
5. Incorporates reflections that inform best practice in preparing P-12 students for postsecondary opportunities [EDTL 601 (E), EDTL 602 (E), EDTL 605 (CP), and EDTL 606 (E)].
6. Supports P-12 student achievement in diverse settings [EDTL 601 (A), EDTL 602 (E/A), EDTL 603 (E), EDTL 604 (A), EDTL 605 (D/E), EDTL 606 (D)].
7. Enhances instructional design utilizing the Program of Studies, Core Content for Assessment, and college readiness standards [EDTL 601 (A), EDTL 606 (CP)].
8. Designs and plans instruction [EDTL 602 (D), EDTL 604 (A), EDTL 605 (D), EDTL 606 (CP)].
9. Creates and maintains a learning climate [EDTL 601 (CP), EDTL 602 (E), EDTL 604 (E), EDTL 605 (E), and EDTL 606 (E)].
10. Implements and manages instruction [EDTL 604 (A), EDTL 606 (E)].
11. Assesses and communicates learning results [EDTL 601 (A), EDTL 602 (D), EDTL 604 (A), EDTL 605 (E/A), EDTL 606 (A)].
12. Demonstrates the implementation of technology [EDTL 601 (E), EDTL 606 (A)].
13. Reflects on and evaluates teaching and learning [EDTL 601 (A), EDTL 602 (D/E), EDTL 603 (A), EDTL 604 (A), EDTL 605 (CP), EDTL 606 (D)].
14. Collaborates with colleagues, parents, and others [EDTL 601 (A), EDTL 602 (D/E), EDTL 603 (A), EDTL 604 (CP), EDTL 606 (D)].
15. Evaluates teaching and implements professional development [EDTL 601 (E), EDTL 602 (E), EDTL 604 (D), EDTL 605 (E), and EDTL 606 (E)].
16. Provides leadership within school, community and profession [EDTL 601 (D), EDTL 602 (E), EDTL 603 (A), EDTL 604 (D), EDTL 605 (D), and EDTL 606 (D)].

17. Designs and conducts professionally relevant research projects [EDTL 602 (D), EDTL 603 (CP), and EDTL 606 (E)].

### Assessment

Each aspiring Teacher Leader candidate in the master's and fifth-year programs is required to successfully complete a capstone project. The capstone project will require application of teacher leadership skills that ultimately will bring about improved student learning. To that end, candidates will be involved in activities and projects throughout the teacher leader program that cause them to critically examine current practices and suggest continuation of the practices or develop strategies for improvement. Substantial work on the capstone project is planned as part of EDTL 603. As a result, EDTL 603 must be taken within the last six hours of the program. Students will be encouraged to present their capstone projects in settings that are most appropriate for their projects. For example, students who are working on a school improvement project may present their findings before the SBDM council. Other students may have projects that are more appropriate for a presentation before the Board of Education, while others may find the best setting to be a professional learning community comprised of others most impacted by the project. Many students will present their capstone in the Curriculum and Instructional work on Design course. All candidates will be required to post an electronic version of individual presentations and support documents in Blackboard, our electronic course management system. Posting in Blackboard will allow for peer review as well as make the projects available to all members of the Teacher Leader Advisory Committee. A three-member committee consisting of the TL program lead (or designee), a PreK-12 educator and a peer (i.e., another candidate completing the program at the same time or a recent [within the last two years] TL program graduate) will evaluate each capstone project. Additional information, including the rubric used to evaluate the capstone project, may be obtained by contacting the Foundational and Graduate Studies in Education department.

### Other Program Requirements

After completion of 12 hours, candidates must have attained at least a 3.0 cumulative program GPA. Candidates falling below a 3.0 cumulative program GPA may take no more than an additional six hours. If after completing an additional six hours, the cumulative program GPA is below 3.0, the candidate will be dropped from the program.

### Requirements for the Degree

1. Satisfy general degree requirements.  
The student must apply for graduation at the beginning of the term in which they anticipate completion. The completion form can be accessed online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate).
2. Maintain a cumulative 3.0 GPA in all courses taken after completing the bachelor's degree.
3. Candidates must successfully complete a capstone project in a venue approved by their advisor. The capstone project may include a presentation before a panel of educators, a presentation as a part of an educational conference, or professional development the candidate has written and planned. The capstone project may also include a publication in a peer reviewed professional journal. To track completion of the capstone during the semester in which the capstone is completed, all students must register for EDTL 690 - Teacher Leader Capstone. This is a zero credit course.

- If a student has not become unconditionally admitted after completing 12 graduate hours, he/she will not be allowed to register for additional hours.
- Complete the College of Education online training module on diversity. Degree candidates will be notified of this requirement at the time of admission and must complete prior to program completion.

## The Teacher Leader (TL) Program

### Teacher Leader - Alternative Concentration

#### Program Requirements

##### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

##### Alternative Concentration

This concentration is designed for Teacher Leader candidates who want to add skills and knowledge not defined in the other areas of TL concentrations. For example, a candidate may want to pursue advanced courses related to assessment or instructional design. The candidate works with his or her advisor to identify a graduate faculty consultant with expertise in the candidate's concentration. The candidate, advisor, faculty consultant (who may be the advisor) and department chairs complete and sign the curriculum contract that lists the approved courses for the alternative concentration.

The selected concentration MUST:

- Enhance the competency of the initial teaching certification;
- Add a certification area not covered by the initial certificate; or
- Advance professionally to a higher position.

This concentration requires a signed curriculum contract that lists the courses required in the alternative concentration.

**Subtotal: 12**

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

### Teacher Leader - Biology

#### Program Requirements

##### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

##### Biology Concentration

BIOL 683	Selected Workshop Topics	1-4
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##### Select nine hours from the following:

BIOL 601	Biological Concepts	3
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BIOL 603	History and Philosophy of Biology	3
BIOL 606	Biology of the Vertebrates	3
BIOL 609	Limnology	3
BIOL 610	Advanced Evolution	3
BIOL 615	Systematic Entomology	3
BIOL 624	Immunology	3
BIOL 625	Advanced Genetics	3
BIOL 627	Pathogenic Microbiology	3
BIOL 628	Virology	3
BIOL 629	Histology	3
BIOL 631	Herpetology	3
BIOL 633	Ichthyology	4
BIOL 635	Advanced Ecology	3
BIOL 636	Wetland Ecology and Management	3
BIOL 638	Mammalogy	3
BIOL 643	General Parasitology	3
BIOL 645	Molecular Biology	3
BIOL 651	Advanced Cell Biology	3
BIOL 654	Environmental Education	3
BIOL 690	Biochemistry	4

**Subtotal: 12**

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

### Teacher Leader - Business and Marketing Content

#### Program Requirements

##### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 15**

##### Business and Marketing Content Concentration

BIS 621	Instructional Innovations in Business and Information Technology Education	3
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##### Select 12 hours from the following:

BIS 630	Managerial Communications	3
ECON 661	Managerial Economics	3
FIN 660	Financial Management	3
MKT 650	Marketing Administration	3
MNGT 661	Human Resource Topics	3
MNGT 665	Organizational Behavior	3

**Subtotal: 15**

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

### Teacher Leader - Business and Marketing Technology

#### Program Requirements

##### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3

EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 690	Teacher Leader Capstone	
		<b>Subtotal: 15</b>

**Business and Marketing Technology Concentration**

BIS 621	Instructional Innovations in Business and Information Technology Education	3
BIS 630	Managerial Communications	3
CIS 625	Web Information Systems and Internet Technologies	3
CIS 636	Global Information Systems	3
CIS 650	Innovation, Technology and Organizational Change	3
		<b>Subtotal: 15</b>

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

**Teacher Leader - Educational Technology****Program Requirements****Teacher Leader Core**

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	
		<b>Subtotal: 18</b>

**Educational Technology Concentration**

EDTC 611	Introduction to Research and Grant Writing	3
EDTC 621	Technology for the 21st Century Teacher	3
EDTC 628	Technology, Education and Culture	3
EDTC 680	Introduction to Instructional Design and Technology	3

**Select one of the following courses:**

EDTC 625	Assistive Technology	3
EDTC 685	Principles of Distance Education Delivery	3
EDTC 688	Educational Gaming and Simulation	3
CIS 634	Management of Telecommunications and Networking	3
CIS 650	Innovation, Technology and Organizational Change	3
		<b>Subtotal: 15</b>

**NOTES:**

- This degree will NOT change the area in which a candidate is certified to teach.
- The Teacher Leader Educational Technology concentration will add a P-12 Instructional Computer Technology endorsement to the candidate's certificate.

**Total Credit Hours: 33**

**Teacher Leader - English****Program Requirements****Teacher Leader Core**

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	
		<b>Subtotal: 18</b>

**English Concentration**

Note: Candidates must be approved to participate in the Morehead Writing Project Summer Institute to register for the following two courses:

ENG 608	Morehead Writing Project Summer Institute	3
ENG 609	Morehead Writing Project Summer Institute	3
ENG 612	Theories of Teaching Writing	3
	Elective - Graduate English course approved by advisor	3
		<b>Subtotal: 12</b>

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

**Teacher Leader - Environmental Education****Program Requirements****Teacher Leader Core**

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	
		<b>Subtotal: 18</b>

**Environmental Education Concentration**

A "B" or higher is required in all environmental education concentration courses.

RAPP 637	Environmental Policy and Management	3
RAPP 685	Advanced Environmental Education	3
		<b>Subtotal: 6</b>

**Choose one of the following:**

AGR 612	Conservation Workshop	3
BIOL 654	Environmental Education	3
BIOL 683	Selected Workshop Topics	1-4
RAPP 670	Directed Research	3
		<b>Subtotal: 3</b>

**Choose one of the following:**

BIOL 635	Advanced Ecology	3
BIOL 636	Wetland Ecology and Management	3
GEO 605	Conservation of Natural Resources	3
SCI 676	Research Problems	1-6
		<b>Subtotal: 3</b>

*NOTE: This degree will add a P-12 Environmental Education Endorsement to the certificate.*

**Total Credit Hours: 30**

## Teacher Leader - Gifted Education

### Program Requirements

#### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

#### Gifted Education Concentration

EDSP 641	Conceptions and Identification of Gifted Children and Youth	3
EDSP 642	Meeting the Individual Needs of Gifted Children and Youth	3
EDSP 643	Teaching the Gifted Student	3
EDSP 645	Practicum in Gifted Education	3

**Subtotal: 12**

*NOTE: Requires successful completion of the PRAXIS. Program completion will add the endorsement to the certificate.*

**Total Credit Hours: 30**

## Teacher Leader - Health and Physical Education

### Program Requirements

#### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

#### Health and Physical Education Concentration

HLTH 608	General School Safety	3
HLTH 615	Education in Drug Abuse Prevention/Intervention	3
PHED 611	Issues in Health and Physical Education	3
PHED 612	Program Design, Implementation and Assessment	3

**Subtotal: 12**

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

## Teacher Leader - IECE

The Teacher Leader IECE Certification was officially discontinued through the curriculum committee process. The TL for IECE (already certified) continues.

### Program Requirements

#### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
IECE 601	or Early Intervention	3

EDTL 605	Developmental Analysis of Learning	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 15**

#### IECE Concentration

IECE 631	Guidance for Young Children	3
EDEC 627	Infant and Toddler Curriculum	3
EDEC 637	Early Childhood Education	3
EDSP 605	Early Childhood Special Education	3
IECE 615	Families and Young Children	3

**Subtotal: 15**

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

## Teacher Leader - Interdisciplinary P-5

### Program Requirements

#### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

#### Interdisciplinary P-5 Concentration

##### The following two courses are required:

EDEL 627	Reading in the Elementary School	3
MATH 631	Problem Solving for the Elementary Teacher	3

##### Choose two courses from the following:

EDEL 622	Social Studies in Today's Elementary Schools	3
EDEL 623	Advanced Language Arts for the Elementary Teacher	3
EDEL 629	Literature Across Curriculum or	3
SCI 690	Advanced Science for the Elementary School Teacher	3

**Subtotal: 12**

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

## Teacher Leader - Literacy Specialist Endorsement

### Program Requirements

#### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 12**

#### Literacy Endorsement Concentration

##### Complete each of the following five courses (15 hours):

EDEL 624	Literacy Practicum	3
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EDEL 625	Foundations of Language Development	3
EDEL 626	Investigations in Reading	3
EDEL 662	Literacy Assessment	3
EDEL 677	Reading in the Content Areas	3

Choose one of the following two options (six hours):

**Option 1:**

ENG 608	Morehead Writing Project Summer Institute	3
ENG 609	Morehead Writing Project Summer Institute	3

**Option 2:**

EDUC 608	Morehead Writing Project Fall Institute	3
EDUC 609	Morehead Writing Project Spring Institute	3

**Subtotal: 21**

*NOTES: The Teacher Leader Literacy Specialist Endorsement concentration requires successful completion of the PRAXIS .*

*The Teacher Leader Literacy Specialist Endorsement concentration will add literacy specialist endorsement to the candidate's certificate.*

**Total Credit Hours: 33**

## Teacher Leader - Mathematics

### Program Requirements

#### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

#### Mathematics Concentration

MATH 610	Real Analysis	3
MATH 625	Number Theory for Teachers	3
MATH 650	Higher Algebra I	3

#### Choose nine hours from the following:

(Candidates may choose from Group A, Group B or a combination of both groups. However, choosing electives from Group A will also prepare candidates for further graduate study in mathematics or mathematics education and prepare them to teach mathematics at the university level.)

#### Group A

MATH 604	Topology	3
MATH 618	Probability	3
MATH 653	Concepts in the Design of Experiments	3
MATH 656	Nonparametric Statistics	3
MATH 670	Research Problems	1-6
MATH 675	Selected Topics	1-6
MATH 685	Vector Analysis	3
MATH 686	Complex Variables	3

#### Group B

MATH 619	Advanced Integrated Math and Science for Teachers	3
MATH 620	Mathematical Modeling for Teachers	3
MATH 642	Mathematical Models in Biology for Teachers	3
MATH 663	Probability and Statistics for Teachers	3

**Subtotal: 18**

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 36**

## Teacher Leader - Middle Grades 5-9

### Program Requirements

#### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

#### Middle Grades Concentration

EDMG 636	Middle School Curriculum	3
EDEL 677	Reading in the Content Areas	3

#### Choose two of the following depending upon area of certification:

EDEL 623	Advanced Language Arts for the Elementary Teacher	3
EDEL 622	Social Studies in Today's Elementary Schools	3
EDUC 618	Teaching Mathematics for Diverse Learners	3
SCI 619	Advanced Integrated Math and Science for Teachers	3

**Subtotal: 12**

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

## Teacher Leader - School Community Leader (Non-National Board Certification)

### Program Requirements

#### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

#### School Community Leader Concentration

EDIL 621	Research for Instructional Leadership	3
EDIL 635	Understanding Professional Responsibilities of Teacher Leaders	3
EDIL 636	Mentoring for Improved Results	3
EDIL 638	Designing and Implementing Professional Development	3

**Subtotal: 12**

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**



## Teacher Leader - Social Studies

### Program Requirements

#### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

#### Social Studies Concentration

HST 600	Special Class	1-3
HST 610	American Biography	3
HST 680	History for Teachers	3
GEO 600	Political Geography	3
GEO 602	Geographic Factors and Concepts	3
GEO 605	Conservation of Natural Resources	3
GEO 615	Urban Geography	3
GEO 680	Geography for Teachers	3
GOVT 600	Seminar: State and Local Government	3
GOVT 605	Environmental Law and Policy	3
GOVT 680	Government for Teachers	3
ECON 600	Survey of Economics	3
ECON 690	Economic Education for Teachers	3

**Subtotal: 12**

Courses selected must align with candidate's professional growth and career goals.

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

## Teacher Leader - Special Education

### Program Requirements

#### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

#### Special Education Concentration

EDSP 621	Operation of Special Education Programs	3
EDSP 630	Universal Design for Learning	3
EDSP 631	Advanced Behavior Management	3
EDSP 632	Applied Research in Special Education	3

**Subtotal: 12**

### Program Completion

1. Candidates must successfully complete a capstone project in a venue approved by their advisor. The capstone project may include a presentation before a panel of educators, a presentation as a part of an educational conference, or professional development the candidate has written and planned. The capstone project may also include a publication in a peer reviewed professional journal.

2. Must apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.

3. Candidates must have a minimum 3.0 cumulative GPA.

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 30**

## Teacher Leader - Fifth Year

### Regular Admission Requirements

To be eligible for regular admission, candidates must have fulfilled the requirements below BEFORE admission to the program and registering for their first course.

1. General admission to graduate study
2. A baccalaureate degree
3. A valid teaching certificate or statement of eligibility
4. Minimum undergraduate GPA of 2.5

### Program Competencies

The following list includes the student competencies for the Teacher Leader program and the course(s) in which each competency is discussed (D), enhanced (E), assessed (A), and/or contains a critical performance (CP).

1. Be leaders in their schools and districts [EDTL 601 (A), EDTL 602 (D), EDTL 604 (D), EDTL 605 (D), and EDTL 606 (D)].
2. Evaluate high-quality research on student learning and college readiness [EDTL 601 (D), EDTL 603 (A), EDTL 605 (CP), and EDTL 606 (E)].
3. Delivers differentiated instruction for P-12 students based on continuous assessment of student learning and classroom management [EDTL 602 (E), EDTL 603 (E), EDTL 604 (E), EDTL 605 (D), and EDTL 606 (A)].
4. Gains experience in content knowledge (within areas of specialization).
5. Incorporates reflections that inform best practice in preparing P-12 students for postsecondary opportunities [EDTL 601 (E), EDTL 602 (E), EDTL 605 (CP), and EDTL 606 (E)].
6. Supports P-12 student achievement in diverse settings [EDTL 601 (A), EDTL 602 (E/A), EDTL 603 (E), EDTL 604 (A), EDTL 605 (D/E), EDTL 606 (D)].
7. Enhances instructional design utilizing the Program of Studies, Core Content for Assessment and college readiness standards [EDTL 601 (A), EDTL 606 (CP)].
8. Designs and plans instruction [EDTL 602 (D), EDTL 604 (A), EDTL 605 (D), EDTL 606 (CP)].
9. Creates and maintains a learning climate [EDTL 601 (CP), EDTL 602 (E), EDTL 604 (E), EDTL 605 (E), and EDTL 606 (E)].
10. Implements and manages instruction [EDTL 604 (A), EDTL 606 (E)].
11. Assesses and communicates learning results [EDTL 601 (A), EDTL 602 (D), EDTL 604 (A), EDTL 605 (E/A), EDTL 606 (A)].
12. Demonstrates the implementation of technology [EDTL 601 (E), EDTL 606 (A)].
13. Reflects on and evaluates teaching and learning [EDTL 601 (A), EDTL 602 (D/E), EDTL 603 (A), EDTL 604 (A), EDTL 605 (CP), EDTL 606 (D)].

14. Collaborates with colleagues, parents and others [EDTL 601 (A), EDTL 602 (D/E), EDTL 603 (A), EDTL 604 (CP), EDTL 606 (D)].
15. Evaluates teaching and implements professional development [EDTL 601 (E), EDTL 602 (E), EDTL 604 (D), EDTL 605 (E), and EDTL 606 (E)].
16. Provides leadership within school, community and profession [EDTL 601 (D), EDTL 602 (E), EDTL 603 (A), EDTL 604 (D), EDTL 605 (D), and EDTL 606 (D)].
17. Designs and conducts professionally relevant research projects [EDTL 602 (D), EDTL 603 (CP), and EDTL 606 (E)].

### Assessment

Each aspiring Teacher Leader candidate in the master's and fifth-year programs is required to successfully complete a capstone project. The capstone project will require application of teacher leadership skills that ultimately will bring about improved student learning. To that end, candidates will be involved in activities and projects throughout the teacher leader program that cause them to critically examine current practices and suggest continuation of the practices or develop strategies for improvement. Substantial work on the capstone project is planned as part of EDTL 603. As a result, EDTL 603 must be taken within the last six hours of the program. Students will be encouraged to present their capstone projects in settings that are most appropriate for their projects. For example, students who are working on a school improvement project may present their findings before the SBDM council. Other students may have projects that are more appropriate for a presentation before the Board of Education, while others may find the best setting to be a professional learning community comprised of others most impacted by the project. Many students will present their capstone in the Curriculum and Instructional Design course. All students will be required to post an electronic version of individual presentations and support documents in Blackboard, our electronic course management system. Posting in Blackboard will allow for peer review as well as make the projects available to all members of the Teacher Leader Advisory Committee. A three-member committee consisting of the TL program lead (or designee), a PreK-12 educator, and a peer (i.e., another candidate completing the program at the same time or a recent [within the last two years] TL program graduate) will evaluate each capstone project. Additional information, including the rubric used to evaluate the capstone project, may be obtained by contacting the Department of Foundational and Graduate Studies in Education.

### Requirements for the Degree

1. Satisfy general degree requirements.
2. Must apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.
3. Maintain a cumulative 3.0 GPA in all courses taken after completing the bachelor's degree.
4. Candidates must successfully complete a capstone project in a venue approved by their advisor. The capstone project may include a presentation before a panel of educators, a presentation as a part of an educational conference, or professional development the candidate has written and planned. The capstone project may also include publication in a peer reviewed professional journal.

## Program Requirements

### Teacher Leader Core

EDTL 601	Leadership and Decision Making	3
EDTL 602	Education in Context	3
EDTL 603	Research and Teacher Leader	3
EDTL 604	Collaboration for Teachers	3
EDTL 605	Developmental Analysis of Learning	3
EDTL 606	Curriculum and Instructional Design	3
EDTL 690	Teacher Leader Capstone	

**Subtotal: 18**

### Professional Education

Candidate chooses six hours graduate level education courses that align with his/her professional growth plan. The candidate's advisor and department chair must approve the courses.

**Subtotal: 6-9**

### Academic Support

Candidate chooses six hours graduate level academic support (content) courses that align with his/her professional growth plan. The candidate's advisor and department chair must approve the courses.

**Subtotal: 6-9**

Courses from Professional Education and Academic Support must align with candidate's professional growth and career goals.

*NOTE: This degree will NOT change the area in which a candidate is certified to teach.*

**Total Credit Hours: 33**

## National Board Certification - Teacher Leader

### Admissions Requirements

1. Successful completion of an initial teacher or school counselor certification program.
2. Full-time employment as a teacher or school counselor.
3. Completion of three full years of teaching/school counseling.
4. Admission to the Teacher Leader Master's programs in the College of Education.

### Certification Requirements

#### Required

EDUC 603	National Board Certification Preparation	3
EDUC 604	National Board Certification Preparation II	3

EDUC 603 may be repeated up to three times if candidates file a plan indicating they are making pursuit of National Board Certification their individually designed "Alternate Area of Emphasis" in the MAEd Teacher Leader Program.

**Total Credit Hours: 6-12**

## Educational Technology with Instructional Computer Technology Endorsement - Master of Arts in Education

This program is designed to prepare teachers to become instructional leaders in the area of technology integration in P-16 curriculum and instructional design. Teachers completing this M.A. program with the instructional computer technology endorsement will receive training in the areas of instructional technology and design based on best practices in instructional computer technology as well as state and national standards. This

program will support the efforts of teachers who are interested in integrating technology into their instruction and are interested in providing instructional technology and instructional design leadership within their schools and districts.

## Admission Requirements

1. General admission to graduate study.
2. Standard or provisional teaching certification, a statement of eligibility for teaching, or letter describing your role as educational support. Those students who fit the criteria of educational support will be able to obtain the master's degree, but it cannot be used for initial teacher certification.
3. A GRE minimum combined score of 283 (verbal and quantitative) and 2.5 on the analytic writing portion or a minimum 31 raw score (381-386 Scaled Score) on the Miller Analogies Test.
4. For students who have not met testing requirements for admission into the program, but who have successfully completed 12 hours of coursework required for the program with a 3.5 or above GPA, the department chair may waive the testing requirement.
5. The testing requirement is waived for students who have already completed a master's degree.
6. A minimum of 2.75 undergraduate GPA.
7. Demonstrated competency of computer fluency (i.e. undergraduate or graduate computer competency course or computer competency assessment).

## Program Competencies

Students will meet the following: International Society for Technology Education (ISTE), National Educational Technology Standards (NETS) for Teachers, and Association for Educational Communications and Technology (AECT)/National Council for Accreditation of Teacher Education (NCATE) Initial Educational Communications and Technology standards through the Master of Arts in Education: Educational Technology program.

The Kentucky Teacher Standards are embraced in these competency standards. The Kentucky Teacher Standards are noted as "ETS" followed by the standard number.

### ISTE NETS for Teachers

Technology Operations and Concepts. Teachers demonstrate a sound understanding of technology operations and concepts. EDUC 621, 625, 628, 644, 680, 685, CIS 634, and 650. ETS 1, 9, 10.

Planning and Designing Learning Environments and Experiences. Teachers plan and design effective learning environments and experiences supported by technology. EDUC 621, 625, 644, 680, 681, 685, and 688. ETS 2, 3, 4, 5, 6, 7, 8, 10.

Teaching, Learning and the Curriculum. Teachers implement curriculum plans that include methods and strategies for applying technology to maximize student learning. EDUC 621, 625, 644, 680, 681, 685 and 688. ETS 2, 3, 4, 5, 10.

Assessment and Evaluation. Teachers apply technology to facilitate a variety of effective assessment and evaluation strategies. EDUC 621, 625, 644, 680, 681, 685 and 688. ETS 5, 6, 7, 8, 10.

Productivity and Professional Practice. Teachers use technology to enhance their productivity and professional practice. EDEL 599, EDUC 611, 621, 625, 644, 685, 688, CIS 634 and 650. ETS 1, 9, 10.

Social, Ethical, Legal, and Human Issues. Teachers understand the social, ethical, legal and human issues surrounding the use of technology in PK-12 schools and apply those principles in

practice. EDEL 599, EDUC 628, 644, 680, 681, 688 and CIS 650. ETS 1, 8, 9, 10.

## AECT Standards

### Standard 1: DESIGN.

Candidates demonstrate the knowledge, skills, and dispositions to design conditions for learning by applying principles of instructional systems design, message design, instructional strategies and learner characteristics. EDUC 621, 625, 644, 680, 681, 685 and 688. ETS 2, 3, 10.

### Standard 2: DEVELOPMENT.

Candidates demonstrate the knowledge, skills and dispositions to develop instructional materials and experiences using print, audiovisual, computer-based and integrated technologies. EDUC 621, 625, 644, 680, 681, 685 and 688. ETS 2, 3, 10.

### Standard 3: UTILIZATION.

Candidates demonstrate the knowledge, skills and dispositions to use processes and resources for learning by applying principles and theories of media utilization, diffusion, implementation and policymaking. EDUC 621, 625, 644, 680, 681, 685 and 688. ETS 2, 3, 5, 10.

### Standard 4: MANAGEMENT.

Candidates demonstrate knowledge, skills and dispositions to plan, organize, coordinate and supervise educational technology by applying principles of project, resource, delivery system and information management. EDUC 621, 625, 644, 680, 681, 685 and 688. ETS 2, 3, 5, 6, 7, 8, 10.

### Standard 5: EVALUATION.

Candidates demonstrate knowledge, skills and dispositions to evaluate the adequacy of instruction and learning by applying principles of problem analysis, criterion-referenced measurement, formative and summative evaluation and long-range planning. EDUC 621, 625, 644, 680, 681, 685 and 688. ETS 2, 3, 5, 6, 7, 8, 10.

## Assessment

The student must submit a professional portfolio demonstrating work completed within the program during the final semester of graduate work.

The professional portfolio will encompass projects completed in the program showing mastery of the educational technology and instructional design skills developed within the program. The portfolio must be submitted by the student to their advisor by the scheduled due date. Students should arrange to complete the professional portfolio prior to the end of the semester in which they plan to complete the degree.

## Program Requirements

### Core

EDTC 611	Introduction to Research and Grant Writing	3
EDF 600	or Research Methods in Education	3
EDTC 621	Technology for the 21st Century Teacher	3
EDTC 628	Technology, Education and Culture	3
EDTC 680	Introduction to Instructional Design and Technology	3

**Subtotal: 12**

### Technology Application/Integration

Complete six hours from the following:

EDTC 625	Assistive Technology	3
EDTC 644	Multimedia Design for the Classroom	3

EDTC 685	Principles of Distance Education Delivery	3
EDTC 688	Educational Gaming and Simulation	3
<b>Subtotal: 6</b>		

**Curriculum Development**

Complete three hours from the following:

EDEL 632	Elementary School Curriculum	3
EDEL 630	Curriculum Construction	3
EDMG 636	Middle School Curriculum	3
EDSE 634	Secondary School Curriculum	3
<b>Subtotal: 3</b>		

**Education Electives**

Complete six hours from any education course 600-level or above.

**Subtotal: 6****General Electives**

Complete three hours from the following:

CIS 634	Management of Telecommunications and Networking	3
CIS 650	Innovation, Technology and Organizational Change	3
EDEL 616	Educational Computing	3
EDSE 616	Educational Computing	3
EDTC	any 600-level or higher course other preapproved courses by advisor	
<b>Subtotal: 3</b>		

The student is responsible for meeting requirements for admission, the exit requirements and application for graduation. Course requirements may change if certification requirements change by external bodies. Only coursework taken for graduate credit may be counted for the master's degree.

**Additional Requirements**

1. Satisfy general degree requirements.
2. Must submit a professional portfolio demonstrating work completed within the program during the final semester of graduate work.
3. Must apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.
4. Maintain a 3.0 GPA in all courses taken after completing the bachelor's degree.
5. Must be unconditionally admitted.
6. Complete the College of Education online training module on diversity. Degree candidates will be notified of this requirement at the time of admission and must complete prior to program completion.

**Total Credit Hours: 30****Instructional Computer Technology Endorsement**

This program is designed to prepare teachers to become instructional leaders in the area of technology integration in P-16 curriculum and instructional design. Teachers completing the instructional computer technology endorsement will receive training in the areas of instructional technology and design based on best practices in instructional computer technology as well as state and national standards. This program will support the efforts

of teachers who are interested in integrating technology into their instruction and in providing instructional technology and instructional design leadership within their schools and districts.

**Admission Requirements**

1. General admission to graduate study.
2. Teaching certificate or statement of eligibility.
3. A GRE minimum combined score of 283 (verbal and quantitative) and 2.5 on the analytic writing portion or a minimum 31 raw score (381-386 Scaled Score) on the Miller Analogies Test.
4. For students who have not met testing requirements for admission into the program, but who have successfully completed 12 hours of coursework required for the program with a 3.5 or above GPA, the department chair may waive the testing requirement.
5. The testing requirement is waived for students who have already completed a master's degree or fifth-year program.
6. A minimum of 2.75 undergraduate GPA.

**Assessment**

The student must submit a professional portfolio demonstrating work completed within the program during the final semester of graduate work.

The professional portfolio will encompass projects completed in the program showing mastery of the educational technology and instructional design skills developed within the program. The portfolio must be submitted by the student to their advisor by the scheduled due date. Students should arrange to complete the professional portfolio prior to the end of the semester in which they plan to complete the program.

**Endorsement Requirements****Required:**

EDTC 611	Introduction to Research and Grant Writing	3
EDTC 621	Technology for the 21st Century Teacher	3
EDTC 628	Technology, Education and Culture	3
EDTC 680	Introduction to Instructional Design and Technology	3

**Complete three hours from the following:**

CIS 634	Management of Telecommunications and Networking	3
CIS 650	Innovation, Technology and Organizational Change	3
EDTC 625	Assistive Technology	3
EDTC 644	Multimedia Design for the Classroom	3
EDTC 688	Educational Gaming and Simulation	3
EDTC 685	Principles of Distance Education Delivery	3
EDTC	any 600-level or higher course	

**Additional Requirements**

1. The student must submit a professional portfolio demonstrating work completed within the program during the final semester of graduate work.
2. Must apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at

www.moreheadstate.edu/graduate or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.

3. Maintain a 3.0 GPA in all courses taken after completing the bachelor's degree.
4. Must be unconditionally admitted.
5. If the student has not been unconditionally admitted after completing 12 graduate hours, he/she will not be allowed to register for additional hours.

**Total Credit Hours: 15**

## Rank I Programs

### Rank I in Counseling

(60 graduate hours, including the master's in counseling degree)

Applicants must meet two of the following three:

1. A minimum combined score on the verbal and quantitative sections of the GRE of 286 with a minimum verbal score of 143 or a 33 raw score (385-390 Scaled Score) on the Miller Analogies Test is required.
2. GPA of 3.5 in the master's degree.
3. Provisional certification in school counseling.

### Rank I Program Requirements

#### Rank I Core

EDGC 619	Career Counseling	3
EDGC 620	Psycho-Social and Multicultural Factors in Counseling	3
EDGC 656	Introduction to Counseling	3
EDGC 664	Theories of Counseling	3
EDGC 665	Philosophy and Practice of School Counseling	3
EDGC 667	Group Counseling	3
EDGC 668	Legal and Ethical Issues in Counseling	3
EDGC 669	Practicum in Counseling	3
EDGC 671	Practices and Techniques in Counseling	3
EDGC 679	Advanced Practicum in Counseling	3
EDGC 683	Advanced Counseling Theory	3

**Subtotal: 33**

#### Electives

Choose nine hours from the following:

EDGC 674	Seminar in Guidance and Counseling	1-3
EDGC 676	Directed Study	1-3
EDGC 680	Family Counseling	3
EDGC 682	Counseling Issue in Sexuality	3

**Subtotal: 9**

#### Testing

EDGC 661	Measurement Principles and Techniques	3
EDGC 662	Assessment in Counseling	3

**Subtotal: 6**

### Psychology of the Individual

Choose six hours from the following:

EDF 610	Advanced Human Growth and Development	3
EDF 611	Adolescent Development	3
EDSP 601	Survey of Exceptional Children	3

PSY 650	Abnormal Psychology	3
PSY 689	Psychology of Learning	3

**Subtotal: 6**

### Research

Choose six hours from the following:

EDF 600	Research Methods in Education	3
EDGC 670	Directed Research	1-3
EDEL 616	Educational Computing	3
EDIL 619	Technology and Best Practices for School Improvement	3

**Subtotal: 6**

Students entering the Rank I program for guidance counselors must successfully complete an oral exit examination and maintain a 3.0 GPA.

**Total Credit Hours: 60**

### Rank I with Environmental Education Endorsement

#### Admission Requirements

1. General admission to graduate study.
2. Completion of a master's degree or a fifth year program from an accredited college or university.
3. Must hold a valid teaching certificate or statement of eligibility.
4. A minimum GPA of 3.0.

#### Program Completion

1. Unconditional admission to the program.
2. Must have a cumulative GPA of 3.0.

### Rank I Program Requirements

#### Core Requirements

RAPP 637	Environmental Policy and Management	3
RAPP 685	Advanced Environmental Education	3

**Subtotal: 6**

#### Electives

##### Choose one from Group A:

AGR 612	Conservation Workshop	3
BIOL 654	Environmental Education	3
BIOL 683	Selected Workshop Topics	1-4
RAPP 670	Directed Research	3

**Subtotal: 3**

##### Choose one from Group B:

BIOL 635	Advanced Ecology	3
BIOL 636	Wetland Ecology and Management	3
GEO 605	Conservation of Natural Resources	3
SCI 676	Research Problems	1-6

**Subtotal: 3**

##### Choose 18 hours from the following:

EDEC 627	Infant and Toddler Curriculum	3
EDEC 637	Early Childhood Education	3
EDEL 622	Social Studies in Today's Elementary Schools	3
EDEL 625	Foundations of Language Development	3
EDEL 626	Investigations in Reading	3

EDEL 640	Contemporary Instructional Practices in Grades P-9	3
EDEL 677	Reading in the Content Areas	3
EDEL 682	Advanced Curriculum Development	3
EDF 600	Research Methods in Education	3
EDF 610	Advanced Human Growth and Development	3
EDF 611	Adolescent Development	3
EDF 680	History and Philosophy of Education	3
EDF 681	Advanced Seminar in Contemporary Educational Thought	3
EDGC 656	Introduction to Counseling	3
EDGC 661	Measurement Principles and Techniques	3
EDIL 628	School Law and Ethics	3
EDIL 636	Mentoring for Improved Results	3
EDIL 638	Designing and Implementing Professional Development	3
EDIL 677	School Law and Diverse Learners	3
EDSE 633	Effective Classroom Instruction	3
EDSE 634	Secondary School Curriculum	3
EDSP 601	Survey of Exceptional Children	3
EDSP 605	Early Childhood Special Education	3
EDSP 630	Universal Design for Learning	3
EDTC 625	Assistive Technology	3
EDTC 628	Technology, Education and Culture	3
EDTC 644	Multimedia Design for the Classroom	3
EDTC 683	Creativity in 21st Century Education	3
EDUC 603	National Board Certification Preparation	3
EDUC 677	Applied Research for Classroom Teachers I	3
EDUC 678	Applied Research for Classroom Teachers II	3
EDUC 693	Teaching the Arts in Education	3
IECE 654	Administration in Early Childhood Programs	3
IECE 655	Advanced Early Childhood Assessment	3

**Subtotal: 18****Total Credit Hours: 30****Rank I General Pedagogy****Admission Requirements**

1. General admission to graduate study.
2. Completion of a master's degree or a fifth year program from an accredited college or university.
3. Must hold a valid teaching certificate or statement of eligibility.
4. A minimum GPA of 3.0.

**Program Completion**

1. Unconditional admission to the program.
2. Must have a cumulative GPA of 3.0.

**Rank I Program Requirements****Choose 30 hours from the following:**

AGR 612	Conservation Workshop	3
BIOL 635	Advanced Ecology	3
BIOL 636	Wetland Ecology and Management	3
BIOL 654	Environmental Education	3
BIOL 683	Selected Workshop Topics	1-4
EDEC 627	Infant and Toddler Curriculum	3
EDEC 637	Early Childhood Education	3
EDEL 622	Social Studies in Today's Elementary Schools	3
EDEL 624	Literacy Practicum	3
EDEL 625	Foundations of Language Development	3
EDEL 626	Investigations in Reading	3
EDEL 640	Contemporary Instructional Practices in Grades P-9	3
EDEL 662	Literacy Assessment	3
EDEL 677	Reading in the Content Areas	3
EDEL 682	Advanced Curriculum Development	3
EDF 600	Research Methods in Education	3
EDF 610	Advanced Human Growth and Development	3
EDF 611	Adolescent Development	3
EDF 680	History and Philosophy of Education	3
EDF 681	Advanced Seminar in Contemporary Educational Thought	3
EDGC 656	Introduction to Counseling	3
EDGC 661	Measurement Principles and Techniques	3
EDIL 628	School Law and Ethics	3
EDIL 636	Mentoring for Improved Results	3
EDIL 638	Designing and Implementing Professional Development	3
EDIL 677	School Law and Diverse Learners	3
EDMG 636	Middle School Curriculum	3
EDSE 633	Effective Classroom Instruction	3
EDSE 634	Secondary School Curriculum	3
EDSL 601	Linguistics for TESOL	3
EDSL 602	TESOL Theory and Practice	3
EDSL 603	Language and Culture	3
EDSL 604	TESOL Methods and Materials	3
EDSP 601	Survey of Exceptional Children	3
EDSP 605	Early Childhood Special Education	3
EDSP 630	Universal Design for Learning	3
EDSP 641	Conceptions and Identification of Gifted Children and Youth	3
EDSP 642	Meeting the Individual Needs of Gifted Children and Youth	3
EDSP 643	Teaching the Gifted Student	3
EDSP 645	Practicum in Gifted Education	3
EDTC 625	Assistive Technology	3
EDTC 628	Technology, Education and Culture	3
EDTC 644	Multimedia Design for the Classroom	3
EDTC 683	Creativity in 21st Century Education	3
EDTL 605	Developmental Analysis of Learning	3
EDUC 603	National Board Certification Preparation	3
EDUC 677	Applied Research for Classroom Teachers I	3

EDUC 678	Applied Research for Classroom Teachers II	3	EDF 681	Advanced Seminar in Contemporary Educational Thought	3
EDUC 693	Teaching the Arts in Education	3	EDGC 656	Introduction to Counseling	3
IECE 631	Guidance for Young Children	3	EDGC 661	Measurement Principles and Techniques	3
IECE 654	Administration in Early Childhood Programs	3	EDIL 628	School Law and Ethics	3
IECE 655	Advanced Early Childhood Assessment	3	EDIL 636	Mentoring for Improved Results	3
GEO 605	Conservation of Natural Resources	3	EDIL 638	Designing and Implementing Professional Development	3
RAPP 637	Environmental Policy and Management	3	EDIL 677	School Law and Diverse Learners	3
RAPP 670	Directed Research	3	EDMG 636	Middle School Curriculum	3
RAPP 685	Advanced Environmental Education	3	EDSE 633	Effective Classroom Instruction	3
SCI 676	Research Problems	1-6	EDSE 634	Secondary School Curriculum	3
			EDSP 601	Survey of Exceptional Children	3
			EDSP 605	Early Childhood Special Education	3
			EDSP 630	Universal Design for Learning	3
			EDTL 605	Developmental Analysis of Learning	3
			EDTC 625	Assistive Technology	3
			EDTC 628	Technology, Education and Culture	3
			EDTC 644	Multimedia Design for the Classroom	3
			EDTC 683	Creativity in 21st Century Education	3
			EDUC 603	National Board Certification Preparation	3
			EDUC 677	Applied Research for Classroom Teachers I	3
			EDUC 678	Applied Research for Classroom Teachers II	3
			EDUC 693	Teaching the Arts in Education	3
			IECE 631	Guidance for Young Children	3
			IECE 654	Administration in Early Childhood Programs	3
			IECE 655	Advanced Early Childhood Assessment	3

Note: Does not provide additional endorsement.

**Total Credit Hours: 30**

## Rank I with Gifted Students P-12 Endorsement

### Admission Requirements

1. General admission to graduate study.
2. Completion of a master's degree or a fifth year program from an accredited college or university.
3. Must hold a valid teaching certificate or statement of eligibility.
4. A minimum GPA of 3.0.

### Program Completion

1. Unconditional admission to the program.
2. Must have a cumulative GPA of 3.0.
3. Successful completion of PRAXIS exam.

### Rank I Program Requirements

#### Core Requirements

EDSP 641	Conceptions and Identification of Gifted Children and Youth	3
EDSP 642	Meeting the Individual Needs of Gifted Children and Youth	3
EDSP 643	Teaching the Gifted Student	3
EDSP 645	Practicum in Gifted Education	3

**Subtotal: 12**

#### Electives

Choose 18 hours from the following:

EDEC 627	Infant and Toddler Curriculum	3
EDEC 637	Early Childhood Education	3
EDEL 622	Social Studies in Today's Elementary Schools	3
EDEL 625	Foundations of Language Development	3
EDEL 626	Investigations in Reading	3
EDEL 640	Contemporary Instructional Practices in Grades P-9	3
EDEL 677	Reading in the Content Areas	3
EDEL 682	Advanced Curriculum Development	3
EDF 600	Research Methods in Education	3
EDF 610	Advanced Human Growth and Development	3
EDF 611	Adolescent Development	3
EDF 680	History and Philosophy of Education	3

**Subtotal: 18**

**Total Credit Hours: 30**

## Rank I with Literacy Specialist Endorsement P-12

### Admission Requirements

1. General admission to graduate study.
2. Completion of a master's degree or a fifth year program from an accredited college or university.
3. Must hold a valid teaching certificate or statement of eligibility.
4. A minimum GPA of 3.0.

### Program Completion

1. Unconditional admission to the program.
2. Must have a cumulative GPA of 3.0.
3. Successful completion of PRAXIS exam.

### Rank I Program Requirements

#### Electives

Choose nine hours from the following:

EDEC 627	Infant and Toddler Curriculum	3
EDEC 637	Early Childhood Education	3
EDEL 622	Social Studies in Today's Elementary Schools	3

EDEL 625	Foundations of Language Development	3
EDEL 626	Investigations in Reading	3
EDEL 640	Contemporary Instructional Practices in Grades P-9	3
EDEL 677	Reading in the Content Areas	3
EDEL 682	Advanced Curriculum Development	3
EDF 600	Research Methods in Education	3
EDF 610	Advanced Human Growth and Development	3
EDF 611	Adolescent Development	3
EDF 680	History and Philosophy of Education	3
EDF 681	Advanced Seminar in Contemporary Educational Thought	3
EDGC 656	Introduction to Counseling	3
EDGC 661	Measurement Principles and Techniques	3
EDIL 628	School Law and Ethics	3
EDIL 636	Mentoring for Improved Results	3
EDIL 638	Designing and Implementing Professional Development	3
EDIL 677	School Law and Diverse Learners	3
EDMG 636	Middle School Curriculum	3
EDSE 633	Effective Classroom Instruction	3
EDSE 634	Secondary School Curriculum	3
EDSP 601	Survey of Exceptional Children	3
EDSP 605	Early Childhood Special Education	3
EDSP 630	Universal Design for Learning	3
EDTC 625	Assistive Technology	3
EDTC 628	Technology, Education and Culture	3
EDTC 644	Multimedia Design for the Classroom	3
EDTC 683	Creativity in 21st Century Education	3
EDTL 605	Developmental Analysis of Learning	3
EDUC 603	National Board Certification Preparation	3
EDUC 677	Applied Research for Classroom Teachers I	3
EDUC 678	Applied Research for Classroom Teachers II	3
EDUC 693	Teaching the Arts in Education	3
IECE 631	Guidance for Young Children	3
IECE 654	Administration in Early Childhood Programs	3
IECE 655	Advanced Early Childhood Assessment	3
		<b>Subtotal: 9</b>

**Core Requirements**

EDEL 624	Literacy Practicum	3
EDEL 625	Foundations of Language Development	3
EDEL 626	Investigations in Reading	3
EDEL 662	Literacy Assessment	3
EDEL 677	Reading in the Content Areas	3
ENG 608	Morehead Writing Project Summer Institute	3
ENG 609	Morehead Writing Project Summer Institute	3
		<b>Subtotal: 21</b>

**Total Credit Hours: 30****Rank I with Teaching English to Speakers of Other Languages (TESOL) P-12 Endorsement****Admissions Requirements**

1. General admission to graduate study.
2. Completion of a master's degree or a fifth year program from an accredited college or university.
3. Must hold a valid teaching certificate of statement of eligibility.
4. A minimum GPA of 3.0.

**Rank I Program Requirements****Core Requirements**

EDSL 601	Linguistics for TESOL	3
EDSL 602	TESOL Theory and Practice	3
EDSL 603	Language and Culture	3
EDSL 604	TESOL Methods and Materials	3

**Subtotal: 12****Electives**

Choose 18 hours from the following:

EDEC 627	Infant and Toddler Curriculum	3
EDEC 637	Early Childhood Education	3
EDEL 622	Social Studies in Today's Elementary Schools	3
EDEL 625	Foundations of Language Development	3
EDEL 626	Investigations in Reading	3
EDEL 640	Contemporary Instructional Practices in Grades P-9	3
EDEL 677	Reading in the Content Areas	3
EDEL 682	Advanced Curriculum Development	3
EDF 600	Research Methods in Education	3
EDF 610	Advanced Human Growth and Development	3
EDF 611	Adolescent Development	3
EDF 680	History and Philosophy of Education	3
EDF 681	Advanced Seminar in Contemporary Educational Thought	3
EDGC 656	Introduction to Counseling	3
EDGC 661	Measurement Principles and Techniques	3
EDIL 628	School Law and Ethics	3
EDIL 636	Mentoring for Improved Results	3
EDIL 638	Designing and Implementing Professional Development	3
EDIL 677	School Law and Diverse Learners	3
EDMG 636	Middle School Curriculum	3
EDSE 633	Effective Classroom Instruction	3
EDSE 634	Secondary School Curriculum	3
EDSP 601	Survey of Exceptional Children	3
EDSP 605	Early Childhood Special Education	3
EDSP 630	Universal Design for Learning	3
EDTC 625	Assistive Technology	3
EDTC 628	Technology, Education and Culture	3
EDTC 644	Multimedia Design for the Classroom	3
EDTC 683	Creativity in 21st Century Education	3
EDTL 605	Developmental Analysis of Learning	3
EDUC 603	National Board Certification Preparation	3



EDUC 677	Applied Research for Classroom Teachers I	3
EDUC 678	Applied Research for Classroom Teachers II	3
EDUC 693	Teaching the Arts in Education	3
IECE 631	Guidance for Young Children	3
IECE 654	Administration in Early Childhood Programs	3
IECE 655	Advanced Early Childhood Assessment	3
<b>Subtotal: 18</b>		

**Total Credit Hours: 30**

### Rank I in Educational Technology with Instructional Computer Technology Endorsement

This program is designed to prepare teachers to become instructional leaders in the area of technology integration in P-16 curriculum and instructional design. Teachers completing this Rank I program with the instructional computer technology endorsement will receive training in the areas of instructional technology and design based on best practices in instructional computer technology as well as state and national standards. This program will support the efforts of teachers who are interested in integrating technology into their instruction and are interested in providing instructional technology and instructional design leadership within their schools and districts.

#### Admission Requirements

1. Must hold a master's degree from an accredited college or university or have completed a fifth-year program.
2. Valid teaching certificate or statement of eligibility.
3. Student must have a 3.0 GPA on all graduate course work.
4. Demonstrated competency of computer fluency (i.e. undergraduate or graduate computer competency course or computer competency assessment).

#### Assessment

The student must submit a professional portfolio demonstrating work completed within the program during the final semester of graduate work.

**Professional Portfolio:** The professional portfolio will encompass projects completed in the program showing mastery of the educational technology and instructional design skills developed within the program. The portfolio must be submitted by the student to their advisor by the scheduled due date. Students should arrange to complete the professional portfolio prior to the end of the semester in which they plan to complete the degree.

#### Rank I Program Requirements

<b>Core</b>		
EDTC 611	Introduction to Research and Grant Writing	3
EDTC 621	Technology for the 21st Century Teacher	3
EDTC 628	Technology, Education and Culture	3
EDTC 680	Introduction to Instructional Design and Technology	3
<b>Subtotal: 12</b>		

#### General Electives

Any 600-level or higher courses, including 600 or higher EDTC courses; or to be chosen from the following courses in consultation with the assigned advisor:

EDIL 619	Technology and Best Practices for School Improvement	3
EDSE 616	or Educational Computing	3
EDTC 625	Assistive Technology	3
EDTC 644	Multimedia Design for the Classroom	3
EDTC 681	Individualized Learning Systems	3
EDTC 685	Principles of Distance Education Delivery	3
EDTC 688	Educational Gaming and Simulation	3
CIS 634	Management of Telecommunications and Networking	3
CIS 650	Innovation, Technology and Organizational Change	3
<b>Subtotal: 18</b>		

(A minimum of 60 graduate hours including the master's degree or fifth-year)

#### Additional Requirements for the Rank I

1. The program must be planned with the student's advisor at the beginning of the program.
2. A minimum of 60 approved graduate credits including a master's degree or 30 approved graduate credits in addition to a Rank II.
3. A GPA of 3.0 or better in all work offered for the program. No credit is accepted on grades lower than "C."
4. Up to nine semester hours may be earned at another accredited institution and transferred to this program with approval.
5. Credit earned by correspondence shall not apply toward the Rank I program.
6. The student must meet University exit assessment criteria.
7. Must meet additional requirements of specific program:
  - a. All graduate students pursuing this program must maintain a 3.0 graduate GPA. Students falling below a 3.0 will be placed on a one-semester period of probation. Students failing to achieve a graduate GPA of at least 3.0 at the end of the probation semester will be dropped from their respective programs. Any student who receives grades of "C" in more than two courses will be immediately dropped from his/her respective program.
  - b. Satisfactorily complete all course work and classes as required and have a minimum cumulative GPA of 3.0.

#### Gifted Education Endorsement

##### Admission Requirements

1. General admission to graduate study.
2. Must hold a valid teaching certificate.
3. One year of successful teaching experience.

##### Program Completion

1. The student must apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.
2. Students must have at least a 3.0 cumulative GPA.
3. Successful completion of PRAXIS Gifted Education (0357) exam.

- Unconditional admission to the program.

### Endorsement Requirements

#### Required:

EDSP 641	Conceptions and Identification of Gifted Children and Youth	3
EDSP 642	Meeting the Individual Needs of Gifted Children and Youth	3
EDSP 643	Teaching the Gifted Student	3
EDSP 645	Practicum in Gifted Education	3

**Total Credit Hours: 12**

### Specialist in Education (Ed.S.)

The specialist in education program offers students who have demonstrated superior scholastic ability and special interest and aptitude in certain areas the opportunity to gain a high level of competency in a chosen specialized field for service as instructors, supervisors or administrators. In some cases, the program may serve to advance the candidate toward the doctorate. It should also be noted that the Ed.S Program may qualify school personnel for Kentucky's highest salary for teachers if it includes the requirement for a Rank I in the respective fields. Programs of study for the specialist in education are offered in:

Adult and Higher Education,  
Guidance and Counseling,  
Instructional Leadership, and  
Curriculum and Instruction.

### Adult and Higher Education Ed.S.

#### Admission Requirements

- General admission to graduate study.
- A master's degree in adult and/or higher education from an accredited college or university with a GPA of 3.5 or higher on a 4.0 scale.
- Two years of relevant professional experience and one year of full-time teaching experience are recommended.
- Two letters of recommendation from professional or academic references.
- Minimum composite GRE score of 283 on the verbal and quantitative sections or a 31 raw score (381-386 scaled score) on the Miller Analogies Test.
- For international students, a TOEFL score of 525 (197 computer-based) or higher, or a score of 74 or higher on the English Language Instruction Test of the University of Michigan.

#### Requirements for the Degree

- Upon admission to the program, students will be placed on graduate hold (i.e., they will not be able to register for classes), until they complete a program plan approved by their academic advisors.
- Must be unconditionally admitted to the program. A student will remain on graduate hold and will not be allowed to register for courses without being unconditionally admitted.
- A graduate GPA of 3.5 or higher on a 4.0 scale. Any student who receives grades of "C" or below in more than two graduate courses will be immediately dropped from the program. Any student receiving a D, E or U in more than one course will be immediately dropped from the program.
- Successful completion of comprehensive written or oral examinations. In the final spring or fall semester of the

prescribed program of study, and with the consent of the program advisors, students must successfully complete written and/or oral comprehensive examinations (to be assessed by program faculty). Students not passing these examinations may retake them near the end of the following semester (at least three months must elapse between exams). If the student does not pass any exam on the second attempt, he or she will not be awarded the Ed.S. in Adult and Higher Education.

- Successful completion of the applied project within two years of its initiation. Students must initially register for the EDAH 699A within one calendar year after completing all required coursework. Upon registering for EDAH 699A, students will have two years to complete the applied project, including final acceptance and approval of the completed work by the applied project committee.
- Students must plan and complete a 30-hour program above the Master of Arts in Adult and Higher Education with approval from the program advisor in accord with the guidelines below:

### Program Requirements

#### Section I

EDAH 699A	Applied Project (6)	6
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#### Section II

EDAH	600-level courses	6-15
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These courses were those not used to complete the master's degree or cognate may be used as electives

#### Section III

Cognate Courses - Students who have taken cognate hours for their master's degrees can continue the same cognates for the Ed.S. A maximum of nine (9) cognate hours will be recognized from the qualifying master's degree toward the 18-hour Ed.S. cognate. Students with no master's cognate hours must complete the full 18-hour cognate.

Students with recognized master's cognate hours must take additional electives to complete the 30-hour course requirement.

Note: Each EDAH 600-level course may only count as credit in one (required, elective or cognate) area.

**Total Credit Hours: 30**

### Counseling Ed.S. (Licensed Professional Counseling Associate)

#### Admission Requirements

- A bachelor's degree in counseling, psychology, social work, education or related area from an accredited college or university (minimum 66-hour program) or a master's degree in Counseling, Counselor Education, Counseling Psychology or related area from an accredited college or university acceptable to the faculty (minimum 30-hour program).
- Evidence of superior scholastic performance as indicated by a GPA of 3.5 on all graduate work completed (3.0 GPA for bachelor's degree applicants).
- A GRE score of 286 on the verbal and quantitative sections with a minimum verbal score of 143 or a 33 raw score (385-390 Scaled Score) on the Miller Analogies Test is required.
- Applicant's background in the area of his or her proposed specialization.
- Recommendations from selected references.
- Completion of the requirements below:

## Requirements for the Degree

1. Unconditional admission to the program.
2. Successful completion of 60 semester hours of coursework (including master's degree) approved by the candidate's supervisory committee.
3. Successful completion of an applied project (six semester hours).
4. Successful completion of an oral examination and oral defense of applied project report.

*This program must be planned with the student's advisor. Students must complete a written examination and a sample videotape no less than 30 minutes in length that successfully demonstrates counseling skill development and maintain a cumulative GPA of 3.0.*

## Program Requirements

### Required:

EDF 600	Research Methods in Education	3
EDF 610	Advanced Human Growth and Development	3
EDGC 619	Career Counseling	3
EDGC 620	Psycho-Social and Multicultural Factors in Counseling	3
EDGC 656	Introduction to Counseling	3
EDGC 661	Measurement Principles and Techniques	3
EDGC 662	Assessment in Counseling	3
EDGC 664	Theories of Counseling	3
EDGC 667	Group Counseling	3
EDGC 668	Legal and Ethical Issues in Counseling	3
EDGC 669	Practicum in Counseling	3
EDGC 678	Internship	1-6
EDGC 679	Advanced Practicum in Counseling	3
EDGC 683	Advanced Counseling Theory	3
EDGC 699A	Applied Project	1-6
PSY 650	Abnormal Psychology	3
PSY 661	or Psychopathology	3
PSY 611	Computer Packages for the Life Sciences	3
<b>Nine hours from:</b>		
EDGC 671	Practices and Techniques in Counseling	3
EDGC 674	Seminar in Guidance and Counseling	1-3
EDGC 676	Directed Study	1-3
EDGC 680	Family Counseling	3
EDGC 682	Counseling Issue in Sexuality	3

**Total Credit Hours: 66**

## Counseling Ed.S. (School Counseling)

### Admission Requirements

1. A master's degree in school counseling from an accredited program.
2. Certification as a P-12 school counselor.
3. Evidence of superior scholastic performance as indicated by a cumulative graduate GPA of 3.5 or higher.

4. A GRE composite score of 286 on the verbal and quantitative sections with a minimum verbal score of 143 or a 33 raw score (385-390 Scaled Score) on the Miller Analogies Test is required.
5. Evidence of writing ability: a brief research or term paper written by the candidate that demonstrates the candidate's ability to cite and reference scholarly research using the current American Psychological Association (APA) Publication Manual format.
6. Completion of the requirements below:

## Requirements for the Degree

1. Unconditional admission to the program.
2. Successful completion of 30 credit hours of coursework including the successful completion of an approved Applied Project (six credit hours).
3. Successful completion of an oral examination and oral defense of applied project report.

## Program Requirements

### Counseling Core

EDGC 679	Advanced Practicum in Counseling	3
EDGC 683	Advanced Counseling Theory	3

### Choose three of the following:

EDGC 674	Seminar in Guidance and Counseling	1-3
EDGC 676	Directed Study	1-3
EDGC 680	Family Counseling	3
EDGC 682	Counseling Issue in Sexuality	3

**Subtotal: 15**

### Nature and Psychology of the Individual

PSY 600	Seminar	3
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**Subtotal: 3**

*or higher*

### Testing

EDGC 662	Assessment in Counseling	3
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**Subtotal: 3**

### Research

#### Choose one of the following:

EDIL 619	Technology and Best Practices for School Improvement	3
EDIL 621	Research for Instructional Leadership	3
EDGC 670	Directed Research	1-3

**Subtotal: 3**

### Applied Project

EDGC 699A	Applied Project	1-6
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**Subtotal: 6**

**Total Credit Hours: 30**

## Instructional Leadership Ed.S.

### Admission Requirements

1. General admission to graduate study.
2. Resume or vita (three-page maximum) documenting the candidate's skills and understanding related to their ability to improve student achievement, leadership and advanced knowledge of curriculum, instruction and assessment.
3. Two professional recommendations should come from persons in a position to evaluate the applicant's potential for success in the Education Specialist in Instructional Leadership program,

at least one to be completed by immediate or up-line supervisor familiar with the candidate's leadership ability; one may be completed by a professional colleague or University faculty member.

4. A master's degree from an accredited college or university.
5. A valid teaching certificate with three years teaching experience.
6. Must have a 3.0 cumulative GPA on all graduate work completed.
7. Must receive favorable consideration from an admission review committee, which shall be composed of faculty teaching the program and practicing administrators in the public schools.

### Program Requirements

#### Level 1

EDIL 671	Leading, Teaching and Learning	3
EDIL 672	Inquiry and Student Achievement	3
EDIL 673	Human Resource Selection and Development	3
EDIL 674	Developing and Maintaining a Positive School Culture	3
EDIL 675	School Program Improvement	3
EDIL 677	School Law and Diverse Learners	3
EDIL 678	Resource Utilization	3
EDIL 679	Linking Schools with the Community and External Resources	3

**Subtotal: 24**

The following courses are required for completion of the degree and Level II certification in one area:

#### Level 2 - Principal

EDIL 635	Understanding Professional Responsibilities of Teacher Leaders	3
EDIL 636	Mentoring for Improved Results	3
EDIL 638	Designing and Implementing Professional Development	3

**Subtotal: 9**

#### Level 2 - Supervisor of Instruction

EDSP 630	Universal Design for Learning	3
EDEL 627	Reading in the Elementary School	3
EDEL 677	or Reading in the Content Areas	3
EDIL 638	Designing and Implementing Professional Development	3

**Subtotal: 9**

#### Level 2 - Director of Pupil Personnel

EDIL 698	Seminar for Administrator of Pupil Personnel Services	3
EDGC 665	Philosophy and Practice of School Counseling	3
EDSP 630	Universal Design for Learning	3

**Subtotal: 9**

Upon the approval of the student's Ed.S. committee, course substitutions may be approved.

### Requirements for the Degree

1. Be unconditionally admitted to the program.

2. Candidates must successfully complete a capstone project in a venue approved by their advisor. The capstone project may include a presentation before a panel of educators, a presentation as a part of an educational conference, or professional development the candidate has written and planned. The capstone project may also include a publication in a peer reviewed professional journal.
3. Successfully complete departmentally-developed diversity modules and related field hours within the first 12 hours of the program.
4. Candidates must apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.
5. Candidates must have at least a 3.0 cumulative GPA.
6. Successfully complete tests required by EPSB and submit a successful professional portfolio.

### Curriculum and Instruction Ed.S. - Rank I

The specialist in education program offers students who have demonstrated superior scholastic ability and special interest and aptitude in certain areas the opportunity to gain a high level of competency in a chosen specialized field for service as instructors, supervisors, or administrators. This education specialist program will qualify school personnel for Kentucky's highest rank and salary for teachers. This program replaces the Rank I program for students in the elementary education (K-4, P-5 or 5-8, 5-9) program who have completed the Master of Arts in Education degree. Students with a Master of Arts in Education who do not wish to pursue the Ed.S. may enter the Rank I program.

### Admission Requirements

1. A master's degree from an accredited college or university.
2. Must hold a valid teaching certificate.
3. Must have a graduate GPA of 3.5.
4. Minimum composite GRE score of 283 on the verbal and quantitative sections.
5. One year of successful work experience.
6. Interview with the applicant conducted by the Admissions Committee. In the case of MSU graduates where the members of the committee feel that they have sufficient acquaintance with the applicant, the interview may be waived.

### Requirements for the Degree

1. Completion of the program with a cumulative GPA of 3.5.
2. Comprehensive written or oral examinations.
3. Must be unconditionally admitted.

### Program Requirements

#### Professional Education

EDF 681	Advanced Seminar in Contemporary Educational Thought	3
EDEL 682	Advanced Curriculum Development	3
EDEL 685	Collaboration for Teachers	3
EDUC 677	Applied Research for Classroom Teachers I	3
EDUC 678	Applied Research for Classroom Teachers II	3

EDEL 686	Seminar for Experienced Teachers in Grades P-9	3
<b>Subtotal: 18</b>		
(Must have completed 24 hours prior to enrollment in EDEL 686 including all of the professional education courses; may be concurrently enrolled in one of these courses.)		
<b>General Electives</b>		
(to be chosen from courses listed on the program evaluation in consultation with the assigned advisor)		
<b>Subtotal: 12</b>		
<b>Total Credit Hours: 30</b>		

## Leadership Certification Programs

### Director of Special Education Certification Program

The purpose of the Certificate for Director of Special Education is to prepare individuals to be effective administrators of public school special education programs. Students must maintain a 3.0 GPA to complete the program.

#### Admission Requirements

1. Must hold a master's degree from an accredited college or university.
2. Must hold a valid teaching certificate in an area in special education.
3. Must have successfully completed three years of full-time teaching experience in special education or as a school psychologist, with no less than one year as a teacher of exceptional students or a school psychologist. A letter of validation must be received from the superintendent of the school district(s).

#### Certification Requirements

##### Level 1

Assessment course chosen from:

EDGC 661	Measurement Principles and Techniques	3
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*or an equivalent course in assessment*

##### One of the following:

EDEL 630	Curriculum Construction	3
EDEL 632	Elementary School Curriculum	3
EDSE 634	Secondary School Curriculum	3
EDMG 636	Middle School Curriculum	3

**Subtotal: 6**

##### Level 2

EDIL 601	Introduction to School Leadership Administration	3
EDIL 628	School Law and Ethics	3
EDSP 621	Operation of Special Education Programs	3
EDSP 622	Instructional Leadership in Special Education	3
EDSP 623	Special Education Program Coordination	3
EDSP 624	Practicum	6

**Subtotal: 21**

EDSP 624: Must have completed 12 of the 15 Level 2 hours listed above before enrolling in practicum listed above.

*Must have a 3.0 cumulative GPA to complete the program.*

## School Superintendent

### Admission Requirements

1. An earned a master's degree from an accredited institution.
2. A professional certificate (teaching).
3. At least two years' experience as a principal, supervisor of instruction, guidance counselor, DPP, DoSE, school business administrator, vocational school coordinator, or coordinator/administrator/supervisor of district-wide services.
4. A written letter of recommendation from a supervisor or an education agency representative attesting to the applicant's suitability for school leader.
5. An admissions portfolio which documents that the applicant demonstrates the following:
  - a. the ability to improve student achievement;
  - b. knowledge of school laws related to school finance, school operations, and personnel matters;
  - c. the ability to implement curriculum, instruction, and assessment;
  - d. a commitment to ongoing professional growth;
  - e. effective communication skills; and
  - f. the ability to build relationships, foster teamwork, and develop networks.
6. Students may only be unconditionally admitted.

### Program Completion

1. Successful completion of all coursework with no grade lower than a "B" in any course.
2. Successful completion of a capstone portfolio.
3. Completion of the Levels I and II preparation and certification for the position of school principal, or supervisor of instruction; or for a candidate who completed preparation for principal prior to 1988, completion of the assessments for administration; and,
4. Completion of at least three (3) years of full-time teaching experience, including at least 140 days per year.
5. Apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.
6. Must be unconditionally admitted.

### Program Requirements

#### Required Courses

EDIL 639	Intentional Planning for Student Learning	3
EDIL 641	School Superintendent	3
EDIL 649	School District Management	3
EDIL 659	Systems for Change	3
<b>Subtotal: 12</b>		

## Doctorate Programs

### Doctor of Education

The Doctor of Education (Ed.D.) program offers students, who have demonstrated superior scholastic ability and special interest and aptitude in educational leadership areas of adult and higher education leadership, P-12 administrative leadership and

educational technology leadership, to gain an advanced level degree within the field. This Doctor of Education program will help prepare students to become practitioner scholars. Doctoral candidates should consult the Ed.D. Handbook for additional information.

### Admission Requirements

The application process will consist of completion of an application submitted to the Office of Enrollment Services with accompanying items listed below. The application will initially be reviewed by Ed.D. faculty. Students who are considered likely potential candidates will be interviewed by an admissions committee composed of Ed.D. faculty and public school partners. To choose the most outstanding applicants, the Ed.D. admission committee will make selections based on a holistic evaluation of the candidate's application file including:

1. Official transcripts of all graduate coursework.
2. Documentation of a master's degree from an institution accredited by a nationally recognized accreditation body.
3. Resume or vita documenting years of related professional/leadership or educational technology, instructional design and training experience.
4. Letter of introduction/interest stating professional goals, leadership style and educational philosophy.
5. Recommendation forms: at least three professional references from persons in a position to evaluate the applicant's potential for success in a doctoral program. At least one to be completed by immediate or up-line supervisor or (for Ed. Tech track) professional familiarity with candidate's use of technology, instructional design and training. Other recommendation forms to be completed by professional colleagues or University faculty who are familiar with the applicant.
6. Optional: GRE, Miller Analogies Test (MAT), or GMAT scores including GRE writing score or on-demand writing sample.
7. International students and ESL students must meet university minimum TOEFL score or its equivalent.

### Program Competencies

After completing the program, candidates in the Educational Leadership Ed.D. program will:

1. Support current and aspiring educational leaders who are seeking opportunities for educational advancement while providing ongoing day-to-day leadership.
2. Strengthen partnerships between educational organizations and universities in order to bring about improved achievement and learning.
3. Mine the rich data resources that are currently available in the educational settings and assist participants in making data-driven decisions.
4. Use current technologies to deliver content, facilitate discussions, share data and provide alternative forms of instruction that provide flexibility for practitioners to be involved in advanced educational study.
5. Incorporate field-based components and activities in each of the required courses thereby enabling candidates to design, test and analyze solutions to authentic challenges faced by today's school leaders.
6. Incorporate performance-driven participant assessments that demonstrate advanced knowledge and skill in authentic settings.

### Assessment

The above competencies will be measured on three levels. This first level will be a measurement of competencies at the individual course level. Each course syllabus will have built-in individualized assessment measures. The second level of measurement will occur as a qualifying examination that will be required of candidates to pass before moving on to the capstone project. The third measurement will be the capstone project that will be required of students in order to complete the program.

### Requirements for the Degree

1. Satisfy all degree requirements.
2. The student must successfully complete and defend a qualifying examination to enroll in EDD 899 capstone courses and continue within the doctoral program.
3. Students are required to successfully complete and defend a doctoral capstone.
4. Students must apply for completion at the beginning of the term in which all requirements will be completed. Students can access the completion forms online at [www.moreheadstate.edu/graduate](http://www.moreheadstate.edu/graduate) or visit the Graduate School, 701 Ginger Hall, Morehead, KY 40351. The completion form can also be faxed to 606-783-5061.
5. Maintain a cumulative 3.0 GPA in all courses taken.
6. Must be unconditionally admitted. If a student is not unconditionally admitted after completing 12 graduate hours, he/she will not be permitted to register for additional credit hours.
7. Students are encouraged to complete the program within the cohort time limit. The maximum allowed time for completion is ten years.
8. A maximum of 18 post-master's hours may be permitted to be transferred from other universities.
9. No more than 24 hours of previously completed post master's work from MSU may be counted in the Ed.D. program.

### Doctor of Education - Specialization in Adult and Higher Education Leadership

#### Program Requirements

##### Core

EDD 801	Principles of Leadership: Service to Others	3
EDD 804	Analysis and Synthesis: Problem Framing and Problem Solving	3
EDD 806	Educational Change: Change Theory, Futuring and Creative Planning	3
EDD 808	Legal and Ethical Issues: The Exercise of Judgment in Education	3
EDD 810	Understanding and Conducting Research: Effective Schools	3
EDD 811	Action Research and Grant Writing	3

**Subtotal: 18**

##### Adult and Higher Education Leadership

EDAH 671	History of Adult and Higher Education	3
EDAH 672	Philosophy of Adult and Higher Education	3

EDAH 673	International Adult and Higher Education	3
EDTC 682	Advanced Instructional Design	3

**Emphasis Area - Choose one (minimum 12 hours)**

(Graduate level courses and approved program will be selected for emphasis areas by the candidate and doctoral committee to support candidate's professional goals and dissertation/capstone project requirements.)

Emphasis areas are meant to be flexible to accommodate professional interests and aspirations of individual students; therefore, more combinations and alterations may be possible. The above areas are envisioned by faculty. Emphasis courses may also be used by MA and Ed.S. students to fulfill areas of specialization and cognates.

**Emphasis 1 - Adult Education**

Choose 12 hours from the following:

EDAH 681	Global Comparative Adult Education	3
EDAH 682	Authoritative Systems for Social Change	3
EDAH 683	Legal Issues in Adult Education	3
EDAH 684	Adult Education Learning Practice, Theory and Style	3
EDAH 680	Selected Topics	1-3
EDAH 678	Internship	1-6
EDAH 676	Directed Study	1-3
EDAH 6XX	elective	

**Emphasis 2 - Higher Education**

Choose 12 hours from the following:

EDAH 691	Global Comparative Higher Education	3
EDAH 692	Governance and Finance in Higher Education	3
EDAH 641	Administrative and Management Issues in Higher Education	3
EDAH 693	Legal and Political Issues in Higher Education	3
EDAH 680	Selected Topics	1-3
EDAH 678	Internship	1-6
EDAH 676	Directed Study	1-3
EDAH 6XX	elective	

**Emphasis 3 - Community College**

Choose 12 hours from the following:

EDAH 660	Survey of Community College	3
EDAH 661	The Community College Student	3
EDAH 662	Seminar in Community College	3
EDAH 680	Selected Topics	1-3
EDAH 678	Internship	1-6
EDAH 676	Directed Study	1-3
EDAH 6XX	elective	

**Emphasis 4 - Teaching ESL**

(Teaching endorsement for P-12 teachers). Choose 12 hours from the following:

EDSL 601	Linguistics for TESOL	3
EDSL 602	TESOL Theory and Practice	3
EDSL 603	Language and Culture	3
EDSL 604	TESOL Methods and Materials	3

**Emphasis 5 - Legal and Policy Studies in Adult and Higher Education**

Choose 12 hours from the following:

EDAH 682	Authoritative Systems for Social Change	3
EDAH 683	Legal Issues in Adult Education	3

EDAH 692	Governance and Finance in Higher Education	3
EDAH 693	Legal and Political Issues in Higher Education	3
EDAH 641	Administrative and Management Issues in Higher Education	3
EDAH 680	Selected Topics	1-3
EDAH 678	Internship	1-6
EDAH 676	Directed Study	1-3
EDAH 6XX	elective	

**Emphasis 6 - Global Adult and Higher Education**

Choose 12 hours from the following:

EDAH 681	Global Comparative Adult Education	3
EDAH 691	Global Comparative Higher Education	3
EDAH 680	Selected Topics	1-3
EDAH 678	Internship	1-6
EDAH 676	Directed Study	1-3
EDAH 6XX	elective	

**Subtotal: 12****Applied and Capstone Courses**

EDD 800	Doctoral Seminar	1
EDD 876	Directed Doctoral Study	1-6
EDD 899A	Doctoral Capstone I	1-6
EDD 899B	Doctoral Capstone II	1-6

**Subtotal: 18**

EDD 800: (This one credit hour course must be taken each summer for a total of three credit hours.)

(EDD 899A and EDD 899B require that all coursework be completed prior to enrolling)

**Total Credit Hours: 60****Doctor of Education - Specialization in P-12 Administrative Leadership****Program Requirements****Core**

EDD 801	Principles of Leadership: Service to Others	3
EDD 804	Analysis and Synthesis: Problem Framing and Problem Solving	3
EDD 806	Educational Change: Change Theory, Futuring and Creative Planning	3
EDD 808	Legal and Ethical Issues: The Exercise of Judgment in Education	3
EDD 810	Understanding and Conducting Research: Effective Schools	3
EDD 811	Action Research and Grant Writing	3

**Subtotal: 18****P-12 Administrative Leadership**

EDIL 641	School Superintendent	3
EDIL 649	School District Management	3
EDIL 659	Systems for Change	3
EDIL 631B	Practicum in District Administration/Supervisor	3

**Subtotal: 12****Emphasis Areas (12 hours minimum)**

(Graduate level courses and approved program will be selected for emphasis areas by the candidate and doctoral committee to

support candidate's professional goals and dissertation/capstone project requirements.)

Emphasis areas are meant to be flexible to accommodate professional interests and aspirations of individual students; therefore, more combinations and alterations may be possible. The above areas are envisioned by faculty. Emphasis courses may also be used by MA and Ed.S. students to fulfill areas of specialization and cognates.

**Subtotal: 12**

#### Applied and Capstone Courses

EDD 800	Doctoral Seminar	1
EDD 876	Directed Doctoral Study	1-6
EDD 899A	Doctoral Capstone I	1-6
EDD 899B	Doctoral Capstone II	1-6

**Subtotal: 18**

EDD 800: (This one credit hour course must be taken each summer for a total of three credit hours.)

(EDD 899A and EDD 899B require that all coursework be completed prior to enrolling)

**Total Credit Hours: 60**

### Doctor of Education – Specialization in Educational Technology Leadership

#### Program Requirements

##### Core

EDD 801	Principles of Leadership: Service to Others	3
EDD 804	Analysis and Synthesis: Problem Framing and Problem Solving	3
EDD 806	Educational Change: Change Theory, Futuring and Creative Planning	3
EDD 808	Legal and Ethical Issues: The Exercise of Judgment in Education	3
EDD 810	Understanding and Conducting Research: Effective Schools	3
EDD 811	Action Research and Grant Writing	3

**Subtotal: 18**

##### Educational Technology Leadership

EDTC 681	Individualized Learning Systems	3
EDTC 682	Advanced Instructional Design	3
EDTC 645	Advanced Multimedia Design	3
EDTC 653	Needs Analysis and Program Evaluation	3

**Subtotal: 12**

##### Emphasis Areas (12 hours minimum)

(Graduate level courses and approved program will be selected for emphasis areas by the candidate and doctoral committee to support candidate's professional goals and dissertation/capstone project requirements.)

Emphasis areas are meant to be flexible to accommodate professional interests and aspirations of individual students; therefore, more combinations and alterations may be possible. The above areas are envisioned by faculty. Emphasis courses may also be used by MA and Ed.S. students to fulfill areas of specialization and cognates.

**Subtotal: 12**

#### Applied and Capstone Courses

EDD 800	Doctoral Seminar	1
EDD 876	Directed Doctoral Study	1-6
EDD 899A	Doctoral Capstone I	1-6
EDD 899B	Doctoral Capstone II	1-6

**Subtotal: 18**

(EDD 899A and EDD 899B require that all coursework be completed prior to enrolling)

EDD 800: (This one credit hour course must be taken each summer for a total of three credit hours.)

**Total Credit Hours: 60**



# College of Science

## Roger McNeil, Dean

246 Reed Hall

606-783-2158 / Fax: 606-783-5039

Email: dsct@moreheadstate.edu

## Agricultural Sciences Department

### Philip Prater, Interim Chair

325 Reed Hall

606-783-2662

### Faculty

P. Harrelson, M. Henson, T. Mark, T. Platt, P. Prater (Interim Chair), B. Rogers, J. Stubbs

## Career and Technical Education (Agriculture) - Master of Science

### Admission Requirements

1. General admission to graduate study.
2. Satisfy one of the following:
  - a. A minimum GRE score of 285 (verbal and quantitative),
  - b. Undergraduate GPA X GRE = 855, or
  - c. Earn a GPA of 3.5 or higher after completing 12 hours of MSCTE required coursework.

### Program Competencies

1. Knowledge of the development, objectives, philosophy and administration of career and technical education.
2. The ability to analyze and understand the correct trends and status of career and technical education.
3. The ability to recognize different types of data derived from an examination and to measure and evaluate individual student performance.
4. The ability to manage personnel training and facilities in educational and industrial organizations.
5. Apply technical management functions in business, industry, education and government.
6. Apply theories, concepts and principles of related disciplines to develop communication skills required for technical trainers.
7. Apply scientific and technological concepts to solving technological problems.
8. Apply concepts and skills developed in a variety of technical and professional disciplines.

### Assessment

1. Students are required to complete a thesis or to pass both an oral and written exit examination (passing grade for written examination = 70 percent).
2. Complete an annual survey of employers of recent graduates as to their satisfaction with the employee's performance as related to subject knowledge.

### Requirements for the Degree

1. Be unconditionally admitted to the program.

2. Successfully complete and defend a thesis or pass both a written and oral comprehensive exit examination (passing grade for written examination = 70%).
3. Must complete the required course work with a minimum graduate cumulative 3.0 GPA.
4. Complete the required course work in the three components as follows:

### Program Requirements

#### Core

IET 603	Quality Assurance in Science and Technology	3
CTE 630	Evaluation Techniques	3
CTE 660	Trends and Issues in CTE	3
CTE 685	Principles and Philosophy of CTE	3
CTE 698	Career Guidance and Development	3

**Subtotal: 15**

#### Concentration

Graduate level courses to be selected and approved by the student and faculty advisor in the CTE concentration.

**Subtotal: 9**

#### Electives

AGR 605	Farm Business Analysis	3
AGR 612	Conservation Workshop	3
AGR 615	Animal Nutrition	3
AGR 670	Directed Research	1-6
AGR 672	Methods in Teaching Vocational Agriculture	4
AGR 674	Adult and Young Farmer Education	3
AGR 676	Directed Study	1-6
AGR 685	Teaching Agricultural Mechanics	3
AGR 686	Planning Programs in Vocational Agriculture	3
AGR 688	Curriculum Development and Content Selections	3
AGR 692	Supervision in Agriculture	3
AGR 699	Thesis	6
CTE 640	Administration and Supervision of CTE	3
CTE 650	Organization and Administration of CTE	3
EDF 600	Research Methods in Education	3
EDF 610	Advanced Human Growth and Development	3
EDF 611	Adolescent Development	3
EDF 680	History and Philosophy of Education	3
EDIL 601	Introduction to School Leadership Administration	3
EDIL 618	School Finance and Support Services	3
EDIL 628	School Law and Ethics	3
EDUC 635	Teaching Critical Thinking and Decision Making	3
IET 619	Total Quality Control	3
IET 620	Industrial Education for the Elementary Teacher	3

IET 621	Experimental Design for Industry	3	EDGC 665	Philosophy and Practice of	3
IET 622	Industrial Project Management	3		School Counseling	
IET 630	Design for Manufacturability	3	EDGC 674	Seminar in Guidance and	1-3
IET 644	Wireless Networking and Systems	3		Counseling	
IET 645	Computer Interfacing and	3	EDGC 680	Family Counseling	3
	Applications		EDIL 601	Introduction to School	3
IET 680	Networking Technology	3		Leadership Administration	
IET 688	Computer Integrated	3	EDIL 618	School Finance and Support	3
	Manufacturing			Services	
IET 698	Research Methods in Technology	3	EDIL 619	Technology and Best Practices for	3
	<b>Subtotal: 6</b>			School Improvement	
<b>AGR Approved Concentration Electives:</b>			EDIL 621	Research for Instructional	3
AGR 600	Impact of Technology	3		Leadership	
AGR 605	Farm Business Analysis	3	EDIL 628	School Law and Ethics	3
AGR 612	Conservation Workshop	3	EDIL 634	Leadership for Human Resources	3
AGR 615	Animal Nutrition	3		Development in Schools	
AGR 670	Directed Research	1-6	EDIL 635	Understanding Professional	3
AGR 672	Methods in Teaching Vocational	4		Responsibilities of Teacher	
	Agriculture			Leaders	
AGR 674	Adult and Young Farmer	3	EDIL 636	Mentoring for Improved Results	3
	Education		EDIL 637	Leadership for School Program	3
AGR 676	Directed Study	1-6		Collaboration	
AGR 684	Teaching Vocational Agriculture	8	EDIL 638	Designing and Implementing	3
AGR 685	Teaching Agricultural Mechanics	3		Professional Development	
AGR 686	Planning Programs in Vocational	3	EDIL 647	Leadership for School	3
	Agriculture			Community Relations	
AGR 688	Curriculum Development and	3	EDIL 649	School District Management	3
	Content Selections		EDIL 650	Leadership for School Program	3
AGR 692	Supervision in Agriculture	3		Improvement	
AGR 699	Thesis	6	EDIL 659	Systems for Change	3
CTE 640	Administration and Supervision	3	EDIL 669	Leadership for School Problem	3
	of CTE			Solving	
CTE 650	Organization and Administration	3	EDSP 600	Workshop	1-3
	of CTE		EDSP 601	Survey of Exceptional Children	3
EDAH 641	Administrative and Management	3	EDSP 602	Speech and Language Problems	3
	Issues in Higher Education		EDSP 603	Assessment Methodology for the	3
EDAH 642	Student Personnel in Higher	3		Handicapped	
	Education		EDSP 604	Resource Concepts for the	3
EDAH 643	Seminar in Higher Education	3		Handicapped	
EDAH 644	Principles of Higher Education	3	EDSP 605	Early Childhood Special	3
EDAH 647	Principles of Adult Education	3		Education	
EDAH 650	Developmental Education for	3	EDSP 621	Operation of Special Education	3
	Adult Students			Programs	
EDAH 651	Human Development in	3	EDSP 622	Instructional Leadership in	3
	Adulthood			Special Education	
EDAH 653	Program/Curriculum	3	EDSP 623	Special Education Program	3
	Development and Evaluation			Coordination	
EDAH 660	Survey of Community College	3	EDSP 630	Universal Design for Learning	3
EDAH 661	The Community College Student	3	EDSP 641	Conceptions and Identification	3
EDAH 662	Seminar in Community College	3		of Gifted Children and Youth	
EDAH 688	Seminar in Adult Education	3	EDTC 631	Designing the Learning	3
EDF 600	Research Methods in Education	3		Environment	
EDF 610	Advanced Human Growth and	3	EDTC 683	Creativity in 21st Century	3
	Development			Education	
EDF 611	Adolescent Development	3	EDTL 605	Developmental Analysis of	3
EDF 680	History and Philosophy of	3		Learning	
	Education		EDUC 603	National Board Certification	3
EDF 681	Advanced Seminar in	3		Preparation	
	Contemporary Educational		EDUC 629	Reading Programs: The Role of	3
	Thought			the Administrator	
EDGC 619	Career Counseling	3	EDUC 635	Teaching Critical Thinking and	3
EDGC 620	Psycho-Social and Multicultural	3		Decision Making	
	Factors in Counseling		EDUC 682	The At-Risk Student	3
EDGC 656	Introduction to Counseling	3	EDUC 684	Producing Audiovisual Materials	3
EDGC 661	Measurement Principles and	3	EDTC 611	Introduction to Research and	3
	Techniques			Grant Writing	
EDGC 662	Assessment in Counseling	3	EDTC 625	Assistive Technology	3

EDTC 628	Technology, Education and Culture	3
EDTC 644	Multimedia Design for the Classroom	3
EDTC 680	Introduction to Instructional Design and Technology	3
EDTC 681	Individual Learning Systems	3
EDTC 685	Principles of Distance Education Delivery	3
EDTC 688	Educational Gaming and Simulation	3

**Total Credit Hours: 30**

## Career and Technical School Principal

### Admission Requirements

1. General admission to graduate study.
2. Satisfy one of the following:
  - a. A minimum score of 285 on the verbal and quantitative sections of the GRE and a minimum 3.0 undergraduate GPA in major field
  - b.  $\text{GRE (verbal \& quantitative)} \times \text{GPA} = 855$
3. Holds a valid 5- or 10-year teaching certificate for any one of the areas of career and technical education authorized in the Kentucky State Plan for Career and Technical Education.
4. Completed three years of teaching experience in career and technical education.

### Program Requirements

1. Must be unconditionally admitted.
2. The program must be planned with the student's advisor.
3. Complete appropriate EPSB testing requirements.
4. 21 credit hours\*, consisting of the following courses:

#### Required:

CTE 650	Organization and Administration of CTE	3
CTE 640	Administration and Supervision of CTE	3
CTE 630	Evaluation Techniques	3
CTE 698	Career Guidance and Development	3
CTE 660	Trends and Issues in CTE	3
EDIL 618	School Finance and Support Services	3
EDIL 628	School Law and Ethics	3

*These hours may be completed as part of the program leading to a Master of Science in Career and Technical Education.*

For individuals who meet program admission requirements, who complete the approved program of preparation and who comply with the testing requirements as specified under KRS 161.027, a certificate of eligibility will be issued valid for four years.

**Total Credit Hours: 21**

## Career and Technical Education - Rank I Program

### Admission Requirements

1. Must hold a master's degree from an accredited college or university, or have completed a fifth-year program.
2. Must possess a valid teaching certificate.

### Program Requirements

1. The program must be planned with the student's advisor.

2. A minimum of 60 graduate credit hours including the master's degree or the fifth-year plus 30 hours.
3. A GPA of 3.0 or better in all work offered for the program. No credit is accepted on grades lower than "C."
4. A minimum of 30 hours (of total 60) in courses open only to graduate students.
5. Up to nine credit hours (of the last 30) may be earned at another accredited institution.
6. Credit earned by correspondence shall not apply toward the Rank I program.
7. Student must meet University exit assessment criteria.
8. Must be unconditionally admitted.

*The minimum of 60 graduate credit hours, including the master's degree, must conform to the following area distribution:*

#### Required:

The program must be planned with the student's advisor on check sheets available in the department.

**Total Credit Hours: 60**

## Biology and Chemistry Department

### David Smith, Interim Chair

103 Lappin Hall

606-783-2945

#### Faculty

M. Blankenbuehler, D. DeMoss, D. Dennis, D. Eisenhour, M. Fultz, G. Gerner, K. Gibbs, J. Hare, A. Macintosh, S. O'Keefe, D. Peyton, B. Reeder, A. Risk, D. Saxon, D. Smith (Interim Chair), C. Tuerk

### Biology - Master of Science

Graduate students pursuing the Master of Science in Biology may elect to follow a thesis or a non-thesis route. An advisory committee of at least three faculty members, versed in the student's specific area of interest, guides the student's graduate career.

With the approval of the student's advisory committee, up to nine credit hours of graduate work in biology or closely related fields may be transferred as part of the student's program. Transfer credits may include up to nine hours of graduate credit from the Gulf Coast Research Laboratory in Ocean Springs, Miss., with which the University is affiliated.

Additional information regarding specific courses and program possibilities may be obtained

at: [www.moreheadstate.edu/biochem](http://www.moreheadstate.edu/biochem) or by writing the Chair, Department of Biology and Chemistry, Morehead State University, Morehead, KY, 40351. On-campus students can inquire at 103 Lappin Hall.

### Admission Requirements

1. General admission to graduate study.
2. Completion of an undergraduate major or minor in biology, environmental science or an equivalent course of study.
3. Minimum GPA of 2.5 with a minimum GPA of 3.0 in all upper division biology courses.
4. Acceptable proficiency in chemistry, mathematics and physics as determined by the biology graduate admissions committee.
5. Minimum GRE score of 286 for verbal plus quantitative sections.

6. Minimum TOEFL score for international students is 525. Computer-based test score of 173. Internet-based score is 70.

### Program Competencies

1. All students are expected to demonstrate:
  - a. The mastery of course work considered fundamental to the training of a biologist. Required competencies may include the accumulation of knowledge in molecular biology, botany, zoology, microbiology, physiology, ecology and evolution. A thesis-track student may elect to specialize in one of the above areas.
  - b. The mastery of supplementary courses selected to enhance the training of a biologist. Supplemental course work generally includes statistics and/or computer skills.
  - c. The use of equipment and instruments required for biological research.
  - d. The ability to think analytically, and have a thorough understanding of the scientific method. Students are expected to evaluate published research with respect to experimental design, strengths and weaknesses of data and validity of research conclusions.
  - e. The ability to write a formal proposal of their intended research projects. The proposal will consist of a literature survey, research objectives, materials and methods, significance, bibliography and an itemized budget for the research (thesis students).
  - f. The ability to design original experiments, collect and analyze data and report the findings through oral and written presentations (thesis students).
2. Students preparing for post-master's degree professions must develop those competencies required for admission to professional schools or Ph.D. level graduate programs.

### Assessment

1. Students must pass both a written exit examination prepared by the biology and chemistry departmental committee and an oral examination given by the student's graduate committee. It is expected that students attain an 80 percent performance level on the written exit examination and unanimous approval by the student's graduate committee concerning performance on the final oral examination and research component. Students failing to reach the 80 percent performance level on the written exam may retake the exam one time after a seven-day period.
2. In-class evaluation of journal research occurs in all graduate courses, and interpretation of scientific articles associated with the student's thesis or non-thesis research is evaluated.
3. All research proposals are evaluated by the major professor and the graduate coordinator.
4. Every thesis track student is expected to perform original research and present the data in a formal seminar (BIOL 671) setting to the faculty and students of the Biology and Chemistry. This oral seminar is graded by the faculty in attendance and the averaged score must be 80 percent or above. Students failing to reach the 80 percent performance level must give the seminar to their committee after a seven-day period.

### Requirements for the Degree (Thesis)

1. Satisfy University degree requirements.
2. Must be unconditionally admitted.
3. Complete an approved thesis.

4. Complete a minimum of 30 credit hours of 600-level course work, including six credit hours for the thesis and one hour credit for graduate seminar.
5. At least 24 of the 30 hours must be completed in biological science. The remaining hours may be selected from biology or related fields (if approved by the student's advisory committee).
6. Take final written/oral examinations as determined by the student's advisory committee.

### Requirements for the Degree (Non-thesis)

1. Satisfy University degree requirements.
2. Must be unconditionally admitted.
3. Complete a minimum of 30 credit hours of graduate (600-level) work.
4. Complete a minimum of 21 approved credit hours in biology (of the 30 required). The remaining nine hours may be selected from biology or related fields (with the approval of the student's graduate committee; e.g. education, RAPP, mathematics and psychology).
5. Successfully complete (with a minimum score of 80 percent) three final written examinations over the student's biology coursework.

### Biology with Concentration in Regional Analysis and Public Policy - Master of Science

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#### Admission Requirements

1. General admission to graduate study.
2. Completion of an undergraduate major in biology, environmental science or an equivalent course of study.
3. Minimum GPA of 3.0 in all upper division biology courses.
4. Acceptable proficiency in chemistry, mathematics and physics as determined by the biology graduate admissions committee.
5. Minimum GRE score of 400 for verbal and 400 for quantitative sections.
6. Minimum TOEFL score for international students is 525. Computed-based test score of 173. Internet-based score is 70.

#### Program Competencies

1. All students are expected to demonstrate:
  - a. The mastery of course work considered fundamental to the training of a biologist. Required competencies may include the accumulation of knowledge in molecular biology, botany, zoology, microbiology, physiology, ecology and evolution. A thesis-track student may elect to specialize in one of the listed areas.
  - b. The mastery of supplementary requirements selected to enhance the training of a biologist, including statistics and regional analysis.
  - c. The use of equipment and instruments required for biological research.
  - d. The ability to think analytically and have a thorough understanding of the scientific method. Students are expected to evaluate published research with respect to experimental design, strengths and weaknesses of data and validity of research conclusions.
  - e. The ability to write a formal proposal of their intended research projects. The proposal will consist of a literature survey, research objectives, materials and methods,

significance, bibliography and an itemized budget for the research (thesis students).

- f. The ability to design original experiments, collect and analyze data and report the findings through oral and written presentations (thesis students).
2. Students preparing for post-master's degree professions must develop those competencies required for admission to professional schools or Ph.D. level graduate programs.

### Assessment

1. Students must pass both a written exit examination prepared by the biology and chemistry departmental committee and an oral examination given by the student's graduate committee. It is expected that students attain an 80 percent performance level on the written exit examination and unanimous approval by the student's graduate committee concerning performance on the final oral examination and research component. Exams will include questions pertaining to regional analysis and biological principles. Students failing to reach the 80 percent performance level on the written exam may retake the exam one time after a seven-day period.
2. In-class evaluation of journal research occurs in all graduate courses, and interpretation of scientific articles associated with the student's thesis or non-thesis research is evaluated.
3. All research proposals are evaluated by the graduate advisory committee.
4. Every thesis track student is expected to perform original research and present the data in a formal seminar (BIOL 671) setting to the faculty and students of the biology and chemistry department. This oral seminar is graded by the faculty in attendance and the averaged score must be 80 percent or above. Students failing to reach the 80 percent performance level must give the seminar to their committees after a seven-day period.

### Program Requirements (Thesis)

1. Satisfy University degree requirements.
2. Complete an approved thesis.
3. Complete a minimum of 34 credit hours of 600-level course work, including six credit hours for the thesis and one hour credit for biology graduate seminar.
4. At least 22 credit hours must be completed in biological sciences.
5. Take final written/oral examinations as determined by the student's advisory committee, which must include at least one IRAPP faculty member (associate or affiliate).
6. Complete the 12 credit-hour regional analysis requirements.
7. Each student will be required to take one credit hour of biology graduate seminar.

### Program Requirements (Non-thesis)

1. Satisfy University degree requirements.
2. Must be unconditionally admitted.
3. Complete a minimum of 37 credit hours of 600-level course work.
4. At least 25 credit hours must be completed in biological sciences.
5. Complete the 12 credit-hour regional analysis requirements.
6. Take final written/oral examinations as determined by student's advisory committee, which must include at least one IRAPP faculty (associate or affiliate).

### Program Requirements for M.S. in Biology with RAPP concentration

#### Required:

MATH 653	Concepts in the Design of Experiments	3
RAPP 610	Ideology and Policy Development in Appalachia	3
RAPP 620	Economic Development	3
RAPP 630	Graduate Seminar in Regional Issues	3

### Gulf Coast Research Laboratory

Morehead State University is affiliated with the Gulf Coast Research Laboratory, Ocean Springs, Miss. This affiliation provides undergraduate and graduate students with the opportunity to take courses and conduct research in marine sciences at an established, well-equipped laboratory located on the Gulf of Mexico. The laboratory furnishes the staff for courses and research. Students electing to study at Gulf Coast Research Laboratory pay the Mississippi resident rate.

The marine sciences courses, taught only at Gulf Coast Research Laboratory during the summer, are suitable for elective courses in graduate major and minor programs of study in the College of Science and Technology. Applications for the courses and additional information are available from the on-campus coordinator in the Department of Biology and Chemistry, by calling the research laboratory directly at 228-872-4200, or by visiting their website at [www.usm.edu/gcrl](http://www.usm.edu/gcrl).

### Earth and Space Science Department

#### Benjamin Malphrus, Chair

101 Space Science Center  
606-783-2381

#### Faculty

K. Brown, J. Kruth, B. Malphrus (Chair), C. Mason, J. O'Keefe, T. Pannuti, R. Twigg, Q. Xu

### Space Systems Engineering - Master of Science

The MSSE is structured to produce graduates with systems-level engineering skills in spacecraft design, development, testing and operation. There is a significant need in the workforce for the type of engineer that this program produces. Fifteen percent of the United States GDP is now related to aerospace and the aerospace industry supports over 15 million high quality American jobs. The aerospace industry has experienced eight consecutive years of growth. As of 2013, aerospace is the number one manufactured export in Kentucky. Graduates are competitive in the job market for all areas of the space sector including aerospace engineering, electrical and mechanical engineering, technical jobs in electronics and microelectronics, Earth station operation, and micro-nanotechnology engineering. Scientists and engineers play a vital role in building the 21st-century enterprises that create solutions and jobs critical to solving the large, complex, and interdisciplinary problems faced by society. Many of these complex societal problems are solved by the utilization of space assets. From financial and data transfer to national defense and homeland security to the search and management of natural resources, space plays a vital role. Applied research conducted by graduates often leads to commercializable technologies that allow them to become the entrepreneurs and innovators of the new space age.

The courses are taught by experienced faculty in the aerospace industry. The curriculum is intensely hands-on, focusing on design, fabrication and testing processes involved in satellite technologies. The world-class facilities of the Space Science Center (SSC) support implementation of embedded laboratories and research toward a master's thesis that every student is required to complete.

### Admission Requirements

1. General admission to graduate study.
2. Satisfy all of the following:
  - a. A minimum GRE score of 150 on verbal reasoning and 146 on quantitative reasoning,
  - b. Undergraduate GPA X GRE (verbal and quantitative) = 875,
  - c. Undergraduate degree in a relevant area (space science, electrical engineering, mechanical engineering, or closely related discipline),
  - d. Completed a sequence of courses in engineering physics and calculus through calculus III.

### Program Competencies

Graduates will:

1. Be able to articulate advanced concepts of space science, telecommunications, microprocessors and electronics, and the application of these concepts to the development of space assets.
2. Complete projects requiring a number of technical skills that are in high demand in the workforce, including the ability to work as a member of a team.
3. Demonstrate the ability to communicate technical information through presentations, technical reports, and papers.
4. Demonstrate competency in technical skills, including schematic board layout, electronics systems fabrication and testing, computer aided mechanical design, mechanical systems fabrication and testing, modeling and simulation.
5. Demonstrate an understanding of the principles of space mission design and the significance of contributing factors including the space environment, mission and payload requirements, orbital considerations, the communication link and space asset user and customer considerations.
6. Use instrumentation to monitor and control technical systems, including ground station equipment, test and measurement instrumentation, and spacecraft environmental testing systems.
7. Demonstrate an understanding of the design of satellite systems, including power systems, communications systems, attitude determination and control systems, payload systems and payload interface systems.
8. Be able to apply the principles and methods of physics and engineering to solve technical problems.

### Assessment

1. Students are required to complete a thesis that is comprised of a written thesis and defense.
2. Students must complete the required coursework with a minimum graduate GPA of 3.0.

### Requirements for the Degree

1. Be unconditionally admitted to the program.
2. Successfully complete and defend a thesis.

3. Complete the required course work with a minimum graduate cumulative 3.0 GPA. No credit is allowed for a mark below "C".

### Program Requirements

#### Core

SSE 610	Space Mission Analysis and Design	3
SSE 626	Thermal and Structural Analysis	3
SSE 630	Linear Systems	3
SSE 640	Advanced Processor Systems	3
SSE 642	Modeling and Simulation	3
SSE 644	Advanced Space Communication	3
SSE 650	Spacecraft Design and Fabrication	3
SSE 660	Spacecraft Sensors and Remote Sensing	3

**Subtotal: 24**

#### Electives

SSE 678	Micro/Nano Systems for Space Applications	3
SSE 645	Satellite Ground Systems Operations	3
SSE 648	Orbital Mechanics	3
ITEC 600	Digital Signal Processing I	3
ITEC 650	Digital Signal Processing II	3
ASTR 620	Astrophysics Payloads and Methods	3

**Subtotal: 6**

#### Thesis

SSE 699A	Master Thesis Research	3
SSE 699B	Master Thesis	3

**Subtotal: 6**

**Total Credit Hours: 36**

## Kinesiology, Health, and Imaging Sciences Department

**Donna Wright, Chair**

210 Center for Health, Education and Research (CHER)  
606-783-2646

### Wellness Promotion - Master of Arts

#### Faculty

J. Dearden, M. Deaton, G. Gonzalez, M. Magner, J. Newsome, M. Probst, D. Seelig

The Master of Arts in Wellness Promotion is designed to provide students with opportunities to develop and demonstrate the expertise and research skills which are necessary to enable them to make independent professional contributions in their chosen specializations. The Master of Arts in Wellness Promotion is designed and administered as an online program.

### Admission Requirements

1. General admission to graduate study, including a minimum undergraduate GPA of 2.75.
2. Completion of an appropriate undergraduate major is required for unconditional admission to the program and selected concentration (exercise science, exercise physiology, health promotion, health or physical education). Candidates with an undergraduate degree in another area(s) may submit a transcript to the department for consideration. The appropriate faculty will make an admission status recommendation, and when appropriate, include a list of

undergraduate prerequisites that must be successfully completed prior to unconditional admission.

3. A minimum GRE score of 139 for quantitative and 145 for verbal or a scaled score of 380 or higher on the Miller Analogies Test.

### Program Competencies

The following competencies will be obtained in the HPS core courses listed below: HPS 600-Research Methods in Health, Physical Education and Sport Management, HPS 601-Interpretation of Data, HPS 610-Readings and Graduate Seminar.

1. Demonstrate an understanding of the methodology and significance of research techniques as they relate to the various educational disciplines.
2. Demonstrate the ability to utilize various research methods and apply the findings to the various educational disciplines.
3. Demonstrate the ability to analyze both quantitative and qualitative data.
4. Demonstrate the ability to design and conduct applied research in the disciplines of health, physical education and recreation.
5. Demonstrate an understanding of the dimensions of wellness and its impact on lifestyle and quality of life.
6. Demonstrate an understanding of current practices associated with the disciplines of health and physical education.
7. Develop a personal philosophy regarding the value of health, physical education, recreation, sport and sportsmanship.

### Assessment

Candidates must pass a comprehensive, written qualifying exam, as well as an oral examination over the content of the program curriculum, each with 70 percent or better. This comprehensive examination should be in the last semester of completing the courses and taken at a distinct, planned time at an approved online site, such as Blackboard. The oral examination will be scheduled with a committee of professors and completed via webcam or conference call at a time determined by the committee. Students must formally apply in writing for the exam at the beginning of the semester in which he/she plans to take the exams.

1. Candidates must have a cumulative GPA of 3.0 or higher to take the exam.
2. The qualifying exam may be taken at one of the scheduled exam times during either the fall or spring semesters. A candidate may have three attempts to pass the exam.
3. Written examinations will be scheduled in the twelfth week of the fall and spring semesters.
4. When needed, the second or third attempts are to be formally scheduled at the discretion of the graduate committee, but in no case will it be offered less than 14 days after the prior attempt by the candidate during any one of the three scheduled exam times (fall, spring and summer).
5. A candidate who does not pass the exam within three attempts, will be dismissed from the program.
6. Failure to take a scheduled exam will result as an attempt, unless the candidate has formally applied to withdraw from the exam before the start of the exam.

### Requirements for the Degree

1. Satisfy general degree requirements.
2. Complete all professional core courses.
3. Fulfill stated requirements for the selected concentration and research/internship.
4. Pass a written qualifying examination over the professional content (must have a 3.0 or higher GPA to sit for the exam).
5. Pass an oral examination.
6. Have an exit GPA of 3.0 or higher.
7. Must be unconditionally admitted.

### Program Requirements

#### Professional Core

HPS 600	Research Methods in Health, Physical Education and Sport Management	3
HPS 601	Interpretation of Data	3
HPS 610	Readings and Graduate Seminar	3
		<b>Subtotal: 9</b>

#### Wellness Promotion

HWP 602	Wellness Promotion	3
HWP 609	Applied Exercise Physiology	3
HWP 612	Managing Worksite Wellness	3
HLTH 614	Principles of Epidemiology	3
HWP 651	Advanced Exercise Prescription	3
		<b>Subtotal: 15</b>

#### Research

Choose one of the following three options:

##### Option 1:

HWP 670	Directed Research and Elective	3
		3

##### Option 2:

Six hours of electives from prefixes in the HWP department or outside of the department as approved by the advisor/chair.

##### Option 3:

HWP 699	Thesis	6
		<b>Subtotal: 6</b>

**Total Credit Hours: 30**

## Mathematics and Physics Department

### Doug Chatham, Interim Chair

105 Lappin Hall

606-783-2930

#### Faculty

D. Ahmadi, R. Boram, D. Chatham (Interim Chair), L. Jaisingh, R. May, D. Skaggs, C. Yess

The Department of Mathematics and Physics does not offer a graduate degree program in mathematics. However, students enrolled in other graduate programs may, with advisor approval, enroll in support courses offered by the department. Courses are listed in the description of courses section.

## Psychology Department

**Gregory M. Corso, Chair**

414 Reed Hall

606-783-2981

### Faculty

J. Blackledge, D. Butz, G. Corso (Chair), L. Couch, L. Haller, S.

Kidwell, D. Olson, G. Remillard, I. White, W. White

## Clinical Psychology - Master of Science

This program is designed primarily to train practitioners of clinical and counseling psychology who will practice, at least at the beginning of their careers, under the supervision of a doctoral psychologist. It is also designed to prepare students for doctoral training in clinical or counseling psychology. It is composed of a core of courses and training experiences common to the two concentrations of the program, clinical psychology and counseling psychology, and specialty emphases and elective courses allowing students to gain more specialized training in certain areas of psychological practice.

Some courses are required of all students in the Clinical Psychology program, and some differences in required courses exist based on the student's chosen concentration, clinical or counseling. Course requirements and breakdowns by concentration, follow:

### Accreditation

The program is accredited by the Masters in Psychology and Counseling Accreditation Council (MPCAC) and satisfies the curricular requirements of the Board of Examiners of Psychology of the Commonwealth of Kentucky.

### Admission Requirements

1. General admission to graduate study.
2. Completion of at least 18 semester hours in psychology, including a course in experimental psychology and a three-hour course in statistics.
3. Undergraduate GPA of 3.5 preferred, minimum of 3.0 required.
4. Preferred minimum GRE scores of 151 for verbal reasoning and 148 for quantitative reasoning.
5. Adequate interpersonal skills and personal maturity, as measured by a personal interview by the clinical psychology faculty. In cases where an applicant resides noncontiguously to MSU, a telephone interview may be substituted for the personal interview.
6. Three excellent letters of recommendation, two of which are to be from faculty in the applicant's major department.
7. Submission of an acceptable statement of purpose by the student outlining their reasons for seeking graduate level training in clinical/counseling psychology.

Enrollment in the master's degree program is limited and admission is highly competitive. Applications are accepted until all of the openings have been filled. To ensure full consideration, students are encouraged to apply by March 1. Applicants are expected to start the program in the fall semester, except in exceptional circumstances. Students who lack prerequisite courses may be conditionally admitted to the program. However, credit for course work required in order to gain unconditional admission is not applied toward the M.S. degree requirements. The conditionally admitted student meets with his or her advisor and gives immediate priority to remediating the admissions deficiencies. Students conditionally admitted who do not meet the

admissions conditions by the end of their second semester in the program will be dropped from the program. Such individuals may reapply for admission to the graduate program upon remediation of all prior admissions conditions.

Students who do not have satisfactory GPA or GRE scores are rarely admitted and only if there is sufficient evidence of probability of success in the program. This judgment would be based on factors such as previous related work experience, a satisfactory score on the MAT or other indices normally associated with success on the part of students in graduate study in psychology.

### Program Competencies

Students must demonstrate:

1. Advanced knowledge in basic foundation areas of psychology including biological bases of behavior, cognitive-affective bases of behavior, social bases of behavior, individual differences, research design and statistics and professional ethics and standards.
2. Advanced knowledge in core aspects of psychological practice including psycho diagnostics, psychometrics and psychological testing, and psychological intervention.
3. Advanced knowledge in a concentration in clinical or counseling psychology.
4. Highly competent skills in the practice of clinical or counseling psychology.
5. Highly developed sensitivity to ethics in psychological practice and ability to conduct the practice of clinical or counseling psychology in an ethical manner.
6. The requisite personal maturity and interpersonal skills to be able to practice clinical or counseling psychology in a highly competent fashion.

### Assessment

The student evaluation program consists of components to assess the student's academic acquisition of core psychological and clinical psychological knowledge, the student's ability to apply core knowledge in supervised practice of clinical/counseling psychology, the ethicality of the student's behavior while in the program, and the student's personal maturity and interpersonal skills. It also seeks to identify deficiencies in any of the above areas very soon in the student's time in the program so that deficiencies may be addressed and resolved.

### The specific components of the program are as follows:

1. Students are expected to maintain an overall GPA within the program of 3.0. If, at the end of a semester, the student's overall GPA falls below 3.0, the student will be placed on program probation for one semester and will be expected during that semester to raise his/her GPA to at least 3.0. If, following this semester, the student has obtained an overall GPA of 3.0 or better, probation will be terminated. If, following the first semester of probation the student's semester and overall GPA remains below 3.0, the student will be dismissed from the program for unsatisfactory academic performance. If, following this second semester, the semester GPA is 3.0 or better but the overall GPA remains below 3.0, the student will be placed on probation for one more semester. Following that semester, if the semester and overall GPA are 3.0 or better, probation will be terminated. If her/his semester or overall GPA remains below 3.0, the student will be dismissed from the program for unsatisfactory academic performance. If a student



is dismissed, every effort will be made to counsel the student regarding other career alternatives.

Additionally, any student who, during the entire course of his or her program, earns a sum total of three grades less than "B," will be dismissed from the program for unsatisfactory academic performance. Once again, if and when this occurs, every effort will be made to counsel the student regarding other career alternatives.

2. At the end of the first year of clinical course work, each student shall take and pass an examination concerning general knowledge in psychopathology and psycho diagnosis, ethical and legal issues, psychometrics and psychotherapy. Additionally, the examination taken by students in the clinical psychology track will include coverage of basic core knowledge of the assessment of intelligence and the assessment of personality and psychopathology. Should a student not pass this examination, he or she would then retake the examination at the beginning of the fall semester of what would be the student's second year in the program. If the student does not pass this reexamination, he or she will be dismissed from the program. Once again, if and when this occurs, every effort will be made to counsel with the student regarding other career alternatives.
3. Prior to starting the internship experience, each student shall have taken and passed all of the core clinical courses and at least nine credit hours of course work of the specialty emphasis requirements. Exceptions to this criterion can be made with the approval of the student's advisor, the clinical faculty and the department chair. In addition, each student shall take a multiple-choice examination modeled on the Examination for Professional Practice in Psychology, the examination used by Kentucky and other states to license and certify psychologists. This examination consists of eight content domains covering the major topic areas covered in the program curriculum. The student will receive feedback on their overall performance and on their performance on each of the content domains. He or she will be informed that, in his or her oral comprehensive examination, special emphasis will be given to the areas of weakness noted in the eight content domains.
4. Finally, at the end of his or her internship experience, each student must take and pass a comprehensive oral examination administered by a committee of three faculty. The committee must include two clinical psychology faculty members and one experimental/academic psychology faculty member, chosen by the student. The examination will revolve around a presentation of a case from the student's internship, recognizing that there will be modifications in the outline due to weaknesses noted from the EPPP-modeled examination.

## Program Requirements

### Psychology Core

PSY 612	Advanced Experimental Design and Analysis I	3
PSY 613	Advanced Experimental Design and Analysis II	3
PSY 621	Advanced Physiological Psychology	3
PSY 633	Personality Theory or	3
PSY 677	Seminar in Developmental Research	

PSY 634	Learning Theory	3
PSY 654	Seminar in Social Psychology	3

**Subtotal: 18**

### Clinical/Counseling Core

PSY 601	Legal, Ethical and Multicultural Issues	3
PSY 661	Psychopathology	3
PSY 663	Marriage and Family Therapy	3
PSY 665	Child and Adolescent Psychotherapy	3
PSY 673	Psychotherapy I	3
PSY 674	Psychotherapy II	3

**Subtotal: 18**

### Supervised Practical Experience

PSY 672	Practicum	2-12
PSY 678	Internship	2-12

**Subtotal: 12**

### Clinical Psychology Concentration

PSY 657	Intellectual Assessment	3
PSY 658	Assessment of Children	3
PSY 662	Assessment of Adults	3
	Elective	3

**Subtotal: 12**

Elective: (600-level courses approved by advisor and department chair)

### Counseling Psychology Concentration

EDGC 619	Career Counseling	3
PSY 656	Psychometrics	3
Elective		3
Elective		3

**Subtotal: 12**

Electives: (600-level courses approved by advisor and department chair)

**Total Credit Hours: 60**

## General/Experimental Psychology - Master of Science

The program is designed to prepare students for doctoral level training in various specialty areas of psychology (experimental/thesis) or for direct employment in a variety of settings that require a broad knowledge of behavior combined with behavioral research skills (general/non-thesis). Thesis research specialty areas include cognitive, developmental, learning, perception, physiological, psychopharmacology and social/personality.

### Accreditation

The American Psychology Association has not established course or program requirements for M.S. level graduate programs. However, this program does satisfy the requirements of the Council of Applied Master's Programs in Psychology (CAMPP).

### Admission Requirements

1. General admission to graduate study.
2. Completion of an undergraduate major or minor in psychology or an equivalent course of study which includes course work in experimental design and analysis.
3. A preferred undergraduate GPA of 3.0 or above.
4. Preferred minimum GRE scores of 151 for verbal reasoning and 148 for quantitative reasoning.
5. Three letters of recommendation.
6. Personal statement of career goals.

Students who lack prerequisite courses may be conditionally admitted to the program. Students who do not have a satisfactory GRE score or less than a 3.0 GPA may be admitted if there is sufficient evidence for probability of success in the program.

### Program Competencies

#### Students must:

1. Be competent in the design, statistical analysis and interpretation of psychological research.
2. Be competent in written and oral communication skills necessary for presentation of scientific research.
3. Be competent in the use of computer software packages necessary for data analysis, figure and table production, paper and poster presentations and written reports.
4. Understand the complexity of human and animal behavior and the influence of psychological, biological and social factors on behavior.
5. Demonstrate advanced knowledge and skills in a specialized research area of scientific psychology (experimental psychology - thesis students).
6. Demonstrate a broad understanding of the principles and methods of core content areas of scientific psychology (general psychology - nonthesis students).

### Assessment

1. Required course work will provide training necessary for achievement of competencies 1, 2 and 3, and achievement will be measured through comprehensive final examinations, skill utilization in core content courses, directed research, and through written/oral comprehensive exit examinations.
2. Competencies 4 and 6 will be assessed in individual courses selected and in the written/oral comprehensive exit examinations.
3. Students must maintain at least a 3.0 GPA with no more than two grades of "C" or below.
4. Achievement of competency 5 will be assessed through the production and defense of the thesis.
5. Achievement of program goals will be determined by graduate school acceptance rates and professional employment placement.

### Program Requirements - Experimental Psychology: Thesis

#### Required Core

PSY 612	Advanced Experimental Design and Analysis I	3
PSY 613	Advanced Experimental Design and Analysis II	3
		<b>Subtotal: 6</b>

#### Thesis

PSY 699	Thesis	1-6
		<b>Subtotal: 6</b>

#### Area Electives

600-level courses approved by advisor and department chair with no more than nine credit hours in PSY 670, PSY 676 and/or PSY 690

**Subtotal: 21**

### Program Requirements - General Psychology: Nonthesis

#### Required Core

PSY 612	Advanced Experimental Design and Analysis I	3
PSY 613	Advanced Experimental Design and Analysis II	3
PSY 690	Psychological Research	1-9
		<b>Subtotal: 9</b>

#### Area Requirements

*Choose 18 hours from the following:*

PSY 677	Seminar in Developmental Research	3
PSY 684	Sensation and Perception	3
PSY 621	Advanced Physiological Psychology	3
PSY 633	Personality Theory	3
PSY 634	Learning Theory	3
PSY 636	Seminar in Cognitive Psychology	3
PSY 654	Seminar in Social Psychology	3
		<b>Subtotal: 18</b>

#### Electives

600-level courses approved by advisor and department chair.

**Subtotal: 6**

**Total Credit Hours: 33**

# Courses

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## ACCT - Accounting

### ACCT 600 - Survey of Accounting

(3-0-3) Preparation of financial reports for internal and external users; the analysis and interpretation of accounting data and its use in management planning and control. This course does not satisfy the requirements of the 30 hour MBA program.

### ACCT 611 - Accounting Analysis for Decision Making

(3-0-3) Development of accounting information for use in the processes of managerial decision-making. Topics include: cost-volume-profit analysis; alternative choice analysis; EOQ analysis; linear investment evaluation.

### ACCT 650 - Financial Accounting

(3-0-3) An advanced financial accounting course covering topics relevant to financial accounting practitioners. The course specifically examines the financial accounting standard setting process, the location and form of authoritative support concerning generally accepted accounting principles (GAAP), and the research techniques used by accounting professionals to comply with GAAP.

### ACCT 670 - Directed Research

(1 to 3 hrs.) Provides an opportunity and challenge for directed study of accounting problems. Student must present a written statement prior to registration of an approved research problem.

### ACCT 683 - Auditing Applications

(3-0-3) Auditing in a computer environment; audit sampling for tests of control and substantive testing; detail audit cycles; specialized reporting; compliance auditing; operational auditing.

### ACCT 687 - Tax Accounting Research and Planning

(3-0-3) This course will examine tax case problems and utilize a solutions approach by referencing the Internal Revenue Code and case law. Additionally, this course will explore how the code and case law establish policy and provides a foundation for tax planning.

### ACCT 690 - Emerging Issues in Management Accounting

(3-0-3) This course examines the accounting information needs of management in support of emerging management strategies. The primary focus is on identification of accounting information needs to support management decisions in companies pursuing emerging strategies such as, but not limited to, e-commerce and the advanced management practices of Just-In-Time, Theory of Constraints, and Total Quality Management. This is a directed research format that stresses both the practical and academic view to meet the needs of business students.

### ACCT 698 - Selected Workshop Topics

(1 to 4 hrs.) Workshop on various accounting subjects will be presented periodically to supplement the basic course offerings in accounting. Credit toward degree programs must be approved by the student's advisor and the department chair.

## AGR - Agriculture

### AGR 600 - Impact of Technology

(3-0-3) A study of the impact of technology on individuals, society, and the environment. The topics will include trends and development of technology, technology systems, risk assessment, technological assessment and innovation, and managing future technologies. Equates with IET 600.

### AGR 603 - Quality Assurance in Science & Technology

(3-0-3) A study of the application of descriptive measures, product sampling, organization of data, control charts, technical problem solving, quality and reliability testing, and quality control within technical and industrial applications. Equates with IET 603.

### AGR 605 - Farm Business Analysis

(2-2-3) A basic course in the applicability of farm records to the efficiency analysis of whole farms and of specific enterprises. Actual University farm enterprises will be used to provide the data source for laboratory work.

Corequisite: AGR 605L

### AGR 612 - Conservation Workshop

(2-2-3) Development of the conservation movement with broad treatment of the basic natural resources, including land, water, air, minerals, forests and wildlife. May be repeated, but not to exceed a total of six hours.

Corequisite: AGR 612L

### AGR 615 - Animal Nutrition

(2-2-3) Chemistry, metabolism, and physiological functions of nutrients, digestibility, nutritional balances and measures of food energy.

Corequisite: AGR 615L

### AGR 670 - Directed Research

(1 to 6 hrs.) The student must submit a proposal or plan describing the nature of the undertaking for approval in advance of starting the work and submit a final report. A copy of the final work will be kept on file in the department. A self-directed independent study on a special problem.

### AGR 671 - Seminar

(1-0-1)

### AGR 672 - Methods in Teaching Vocational Agriculture

(4-0-4) The principles of methods applied to teaching vocational agriculture to high school students. Course organization, farming programs, and Future Farmers of America activities.

### AGR 674 - Adult and Young Farmer Education

(3-0-3) The principles and techniques needed in organizing and program planning in post high school vocational agricultural education and conducting young farmer and adult farmer classes.

### **AGR 675 - Analysis of Research**

(2-0-2)

### **AGR 676 - Directed Study**

(1 to 6 hrs.) The student must submit a proposal or plan describing the nature of the undertaking for approval in advance of starting the work and submit a final report. A copy of the final work will be kept on file in the department.

### **AGR 684 - Teaching Vocational Agriculture**

(8-0-8) Supervised teaching in centers selected by the state agriculture education staff and members of the teaching staff. Teacher experiences with in-school and out-of-school groups.

### **AGR 685 - Teaching Agricultural Mechanics**

(3-0-3) Objectives and methods, equipment and management of the shop; organization of facilities for high school and vocational technical programs.

### **AGR 686 - Planning Programs in Vocational Agriculture**

(3-0-3) Organization and analysis of the program of vocational agriculture. Departmental program of activities, summer programs, advisory committees and Future Farmers of America activities.

### **AGR 688 - Curriculum Development and Content Selections**

(3-0-3) Each student prepares the content for a four-year program in vocational agricultural education.

### **AGR 689 - Special Class**

(1 to 3 hrs.)

### **AGR 692 - Supervision in Agriculture**

(3-0-3) The principles and techniques needed in individual group supervision of vocational agricultural programs.

### **AGR 699 - Thesis (6)**

(6 hrs.) Independent research and thesis writing.

## **ART - Art**

### **ART 604 - Drawing**

(2-2-3) Advanced studio in figure drawing. Further exploration of figure drawing concepts and media with emphasis on creative interpretation and expression.

### **ART 604A - Drawing**

(2-2-3) A course designed to acquaint the student with advanced problems in figure drawing and anatomy.

### **ART 604B - Drawing**

(2-2-3) A course designed to acquaint the student with advanced problems in figure drawing and anatomy.

### **ART 605 - Figure Painting**

(2-2-3) Use of oil paint on large canvases. Both male and female models used.

### **ART 606 - Portrait Painting**

(2-2-3) A study of the techniques involved in painting the portrait. Emphasis is given to anatomy, color and techniques of developing a proficiency in rendering the human figure.

### **ART 607 - Commercial Illustration**

(2-2-3) Advanced problems in commercial illustration involving research and a variety of projects using various techniques and media.

### **ART 608A - Advanced Graphic Design**

(2-2-3) Advanced problems in graphic design involving research and a variety of projects using computers, various techniques and media.

### **ART 608B - Advanced Graphic Design**

(2-2-3) Advanced problems in graphic design involving research and a variety of projects using computers, various techniques and media.

### **ART 609 - Airbrush**

(2-2-3) For art majors and area students who wish to do graduate work in airbrush techniques.

### **ART 610 - Computer Art Problems**

(2-2-3) This course will give graduate students a thorough introduction to the basic workings of the Macintosh computer as well as its application in the visual art on the graduate level.

### **ART 611A - Advanced Computer Art**

(2-2-3) This course will give graduate students a more advanced opportunity to work with and develop ideas through the use of more complicated image and image manipulation software.

### **ART 611B - Advanced Computer Art**

(2-2-3) This course will give graduate students a more advanced opportunity to work with and develop the ideas through the use of more complicated image and image manipulation software.

### **ART 613A - Painting**

(2-2-3) For art majors and area students who wish to do graduate work on techniques in art.

### **ART 613B - Painting**

(2-2-3) For art majors and area students who wish to do graduate work on techniques in art.

### **ART 614 - Painting Techniques V**

(2-2-3) The course is designed to provide the advanced graduate student with freedom of expression and the opportunity to develop an individual style in painting.

### **ART 616 - Watercolor**

(2-2-3) For art majors and area students who wish to do graduate work on watercolor techniques.

### **ART 627 - Reading in Art Education**

(3-0-3) Subjects related to current research in art education will be given primary consideration. Other related educational research will be given secondary consideration.

### **ART 630 - Individual Art Ed Studies**

(1 to 6 hrs.) The research-based independent study will include analysis of art education professional literature; discussion of art education philosophies, theories, current practices and research findings as they apply to curriculum and instruction. The student-driven research will include a review of literature in the designated research area, academic writing reflecting an in-depth analysis of the student selected topic and may include research methodologies such as action research, studio base inquiry, or other data-driven research basis, which are not included as a

regular part of the curriculum. Special emphasis on analytical and applied thinking.

### **ART 631 - Individual Art History Studies**

**(1 to 6 hrs.)** An investigation of theoretical, conceptual, formal, socio-political and/or economic concerns related to the making of art within cultural and historical context. This study will result in a comprehensive body of work (minimally a research paper that meets standards for graduate level papers, but optionally also artwork and/or a service learning project).

### **ART 632 - Individual 2-D Studies**

**(1 to 6 hrs.)** A thorough investigation of the techniques, materials, formal and conceptual concerns involved in creating two-dimensional artwork, which are not included as a regular part of the curriculum. Special emphasis on experimentation.

### **ART 633 - Individual 3-D Studies**

**(1 to 6 hrs.)** A thorough investigation of the techniques, tools, formal and conceptual concerns involved in creating three-dimensional artwork, which are not included as a regular part of the curriculum. Special emphasis on form and surface experimentation.

### **ART 634 - Individual Digital Studies**

**(1 to 6 hrs.)** A thorough investigation of the techniques, software, formal and conceptual concerns involved in creating design and art with digital media, which are not included as a regular part of the curriculum. Special emphasis on experimentation.

### **ART 646 - Ceramics**

**(2-2-3)** Advanced study of contemporary ceramic form and surface resolution. Continued practical experience with kiln operation and glaze calculation.

### **ART 651A - Graduate Printmaking Studio**

**(2-2-3)** Special problems in various printmaking techniques with individual problems designed to meet the specific needs of each graduate printmaking student.

### **ART 651B - Graduate Printmaking Studio**

**(2-2-3)** Special problems in various printmaking techniques with individual problems designed to meet the specific needs of each graduate printmaking student.

### **ART 653 - Advanced Art Problems**

**(1 to 6 hrs.)** A studio course involving research in an art area of the student's choice.

### **ART 655A - Advanced Ceramics**

**(2-2-3)** Advanced study of ceramic glazes, kiln firing procedures, kiln construction and experimental treatment of clay bodies.

### **ART 655B - Advanced Ceramics**

**(2-2-3)** Advanced study of ceramic glazes, kiln firing procedures, kiln construction and experimental treatment of clay bodies.

### **ART 656 - Ceramic Sculpture**

**(2-2-3)** A contemporary sculptural approach to forming, firing and glazing clay.

### **ART 657 - Alternative Glazing Techniques**

**(2-2-3)** Investigation of alternative firing and glazing techniques used to produce ceramic pieces such as salt glazing, low fire glazing, raku glazing and firing.

### **ART 661 - 18th and 19th Century European and U.S. Art**

**(3-0-3)** The history of European and American art, painting, sculpture and architecture from c. 1750 until c. 1900.

### **ART 662 - 20th Century Art**

**(3-0-3)** The painting, sculpture and architecture of the 20th century.

### **ART 663 - Arts of the United States**

**(3-0-3)** An in-depth study of the social, political and cultural movements which affected the course of American artistic development.

### **ART 664 - Spanish, Portuguese and Latin American Art**

**(3-0-3)** A survey of painting, sculpture and architecture of Spain, Portugal and Latin America.

### **ART 667 - Native American Art**

**(3-0-3)** This course will provide a survey of the visual arts of the indigenous tribes of North America from the beginning of their recorded history through the present.

### **ART 668 - Appalachian Arts**

**(3-0-3)** This course will provide a survey of the arts of Appalachia from pre-Colonial times to the present.

### **ART 672 - Ancient Art**

**(3-0-3)** The history of Western painting, sculpture and architecture from prehistoric times until the beginning of the Christian era.

### **ART 673 - Medieval Art**

**(3-0-3)** The history of European painting, sculpture and architecture from the beginning of the Christian era until c. 1300.

### **ART 674 - Renaissance Art**

**(3-0-3)** The history of European painting, sculpture and architecture from c. 1300 until c. 1525.

### **ART 675 - Mannerist and Baroque Art**

**(3-0-3)** The history of European painting, sculpture and architecture from c. 1525 until c. 1750.

### **ART 676 - Directed Graduate Study**

**(1 to 6 hrs.)** Investigation of special problems which are not included as a regular part of the curriculum. No more than six hours may be taken.

### **ART 677 - Graduate Seminar**

**(1-0-1)** This course provides a forum for exploring the diverse practices of art and design through research and discussions on current developments, critical issues, historical precedents, connections to other fields and a broad-range of issues. Graduate cohort group field trips, activities and critiques are required. Must be repeated for a total of at least three hours of credit.

### **ART 680 - History and Philosophy of Art Education in the United States**

**(3-0-3)** A survey of the major philosophical movements and how they relate to the changing emphasis given to art education in America.

### **ART 682 - Contemporary World Art**

(3-0-3) This course will provide a worldwide survey of contemporary visual arts in historical context and will explore current issues in contemporary art.

### **ART 687 - 35MM Photography**

(2-2-3) Advanced small format shooting and darkroom techniques exploring various subjects and styles.

### **ART 688A - Photo Studio**

(2-2-3) Small or large format individual projects requiring in-depth treatment of a particular subject, concept or style.

### **ART 688B - Photo Studio**

(2-2-3) Small or large format individual projects requiring in-depth treatment of a particular subject, concept or style.

### **ART 689 - Large Format Photography**

(2-2-3) Large format camera operation with various subjects and styles and printing of large format negatives.

### **ART 692 - Sculpture: Metal Casting**

(2-2-3) Exploration of techniques in metal casting. A study of foundry construction, operation and maintenance.

### **ART 694A - Sculpture**

(2-2-3) An advanced approach to sculpture with extensive use of various materials and techniques.

### **ART 694B - Sculpture**

(2-2-3) An advanced approach to sculpture with extensive use of various materials and techniques.

### **ART 695 - Sculpture Studio**

(2-2-3) Advanced study of contemporary sculptural form and surface resolution. Continued practical experience with material fabrication techniques.

### **ART 698 - Selected Topics**

(1 to 3 hrs.) Specialized offerings in art for graduate students. The purpose of these special courses is to supplement regular course offerings in art.

### **ART 699 - Thesis**

(6 hrs.)

## **ASTR - Astronomy**

### **ASTR 620 - Astrophysics Payloads and Methods**

(3-0-3) A study of the detectors and instrumentation in payloads of orbiting satellites devoted to conducting observations in astrophysics as well as techniques of accompanying data analysis. Prerequisite: Take the following: 1. PHYS 232, PHYS 270, and MATH 276 or equivalent. 2. PHYS 332 or PHYS 353 or equivalent

## **BIOL - Biology**

### **BIOL 601 - Biological Concepts**

(3-0-3) Selected concepts from various biological sciences; the impact of recent experimentation and discovery on basic biological principles.

### **BIOL 603 - History and Philosophy of Biology**

(3-0-3) History and development of biological philosophy and knowledge from early civilization to the mid-20th century. History

of anatomy, physiology, medicine, embryology, zoology, botany, microbiology, genetics and evolution will be covered, as well as the role of technology, museums, biological literature and early world exploration on the field of biological sciences. Emphasis will be on the development of biological paradigms. Student discussion and presentations required.

### **BIOL 606 - Biology of the Vertebrates**

(3-0-3) Vertebrate classes; emphasis on their evolution, phylogeny, nomenclature, morphology, physiology, behavior and ecology. Field trips required.

### **BIOL 607 - Invertebrate Zoology**

(1-4-3) Major invertebrate phyla; emphasis on their evolution, taxonomy, morphology, physiology and ecology; local representatives. Field trips required.

Corequisite: BIOL 607L

### **BIOL 608 - Taxonomy of Vascular Plants**

(2-2-3) Collection, preservation and classification of vascular plants; emphasis on ecological adaptations and evolutionary trends.

Corequisite: BIOL 608L

### **BIOL 609 - Limnology**

(2-2-3) Ecology and biota of inland waters. Some all-day field trips required.

Corequisite: BIOL 609L

### **BIOL 610 - Advanced Evolution**

(3-0-3) Major principles of evolutionary theory (natural selection, sexual selection, molecular evolution, biogeography, phylogenetics, speciation, coevolution, evolutionary developmental biology, etc.) are covered through extensive use and discussion of journal articles. Student participation in discussions and formal presentations are required.

### **BIOL 615 - Systematic Entomology**

(3-0-3) Insect orders with emphasis on the classification of insects to family and beyond; taxonomic keys.

Corequisite: BIOL 615L

### **BIOL 617 - Mycology**

(2-4-4) Morphology, taxonomy and reproductive physiology of the fungi. Isolation and identification of medically important fungi will be emphasized.

Corequisite: BIOL 617L

### **BIOL 618 - Microbial Physiology**

(2-4-4) Advanced concepts in the physiology and cytology of microorganisms.

Corequisite: BIOL 618L

### **BIOL 620 - Advanced Plant Physiology**

(2-2-3) Physiology and biochemistry of green plants; respiratory metabolism, photosynthesis, nitrogen metabolism, terminal oxidation, and energy relationships of the cell.

Corequisite: BIOL 620L

### **BIOL 621 - Biology of Ferns**

(1-4-3) Structure, reproductive biology, systematics, genetics, ecology, evolution, and natural history of ferns and fern-like plants. Field trips required.

**BIOL 624 - Immunology**

(2-2-3) Basic cellular and molecular mechanisms of the immune response and its regulation, including response manifestations. Modern laboratory techniques stressed, including monoclonal antibody production.

Corequisite: BIOL 624L

**BIOL 625 - Advanced Genetics**

(3-0-3) Discussion and research projects to meet the desires and needs of advanced students.

**BIOL 627 - Pathogenic Microbiology**

(2-2-3) Medically important microorganisms; bacteria and fungi emphasized. The isolation, cultivation and identification of pathogenic microorganisms from clinical specimens are stressed. Antimicrobial susceptibility tests, serological methods and quality control introduced.

Corequisite: BIOL 627L

**BIOL 628 - Virology**

(3-0-3) Morphology and chemistry of the virus particle; symptoms; identification and control of more common virus diseases of plants and animals; host-virus relationships; and research methods concerned with viruses.

**BIOL 629 - Histology**

(2-2-3) The study of human tissues with emphasis on anatomical, physiological and biochemical properties/relations.

Corequisite: BIOL 629L

**BIOL 630 - Endocrinology**

(2-2-3) Functions of endocrine glands; development, histological characteristics, and biochemical organization of endocrine cells. Emphasis on molecular regulation of synthesis, secretion and stimulation of hormones.

Corequisite: BIOL 630L

**BIOL 631 - Herpetology**

(1-4-3) The anatomy, physiology, taxonomy, ecology, distribution, natural history and evolution of amphibians and reptiles. Emphasis on collection, identification and classification of those reptiles found in eastern North America.

Corequisite: BIOL 631L

**BIOL 632 - Reproductive Physiology**

(2-2-3) Physiological processes of reproduction in animals with emphasis on man; gonadal functions, endocrine relationships, sexual differentiation, and fertility.

Corequisite: BIOL 632L

**BIOL 633 - Ichthyology**

(2-4-4) The anatomy, physiology, systematics, ecology, zoogeography, natural history, evolution, and conservation of fishes. Emphasis on collection, identification, and classification of freshwater fishes native to eastern North America and marine fishes of the Atlantic and Gulf coasts.

Corequisite: BIOL 633L

**BIOL 635 - Advanced Ecology**

(3-0-3) Ecological and physiological bases for adaptation, niche structure, and community organization; physiological ecology; population ecology; competition; predation; niche theory; communities; and biogeography.

**BIOL 636 - Wetland Ecology and Management**

(3-0-3) Structure and functioning of shallow water bodies; biological, physical, chemical and ecological aspects of the major wetland ecosystems in the United States; valuation and management of biotic and abiotic wetland resources.

**BIOL 637 - Ornithology**

(1-4-3) Study of anatomy, physiology, classification and identification of birds, including examinations of bird behavior, life histories, ecology and evolution. Field trips required.

**BIOL 638 - Mammalogy**

(2-2-3) The taxonomy, distribution, behavior, ecology, evolution, and natural history of mammals, with emphasis on those inhabiting eastern North America. Field trips required.

Prerequisite: BIOL 210

Corequisite: BIOL 638L

**BIOL 640 - Advanced Parasitology**

(3-0-3) Molecular and immunological aspects of parasitism will be covered; with emphasis on the current literature.

Corequisite: BIOL 640L

**BIOL 643 - General Parasitology**

(2-2-3) Protozoan, helminth and arthropod parasites of man and domestic animals; emphasis on etiology, epidemiology, diagnosis, control and general life histories of parasites.

Corequisite: BIOL 643L

**BIOL 644 - Graduate Clinical Lab Procedures**

(2-3-3) The clinical laboratory plays a significant role in the ever changing arena of modern medicine. It is the purpose of this course to provide current technical and clinical information about laboratory procedures to permit the student to adequately understand, select and interpret each specific procedure.

Corequisite: BIOL 644L

**BIOL 645 - Molecular Biology**

(3-0-3) The lectures cover, in molecular terms, the structure and function of DNA. Recombinant DNA technologies will also be stressed.

**BIOL 646 - Biotechnology**

(2-2-3) A study of the molecular biology and laboratory techniques associated with current biotechnology methods.

Corequisite: BIOL 646L

**BIOL 647 - Organ Systems Physiology**

(4-0-4) Specific focus on three integrating themes: the interrelationships of human organ systems, homeostasis, and the complementing relationship of structure and function. Homeostatic regulatory mechanisms between interactive organ systems will be continually emphasized, as well as how the body meets its changing demands during the onset of various pathological conditions.

**BIOL 649 - Plant Anatomy**

(2-2-3) Gross and microscopic studies of internal and external structures of vascular plants. The cell, meristem, cambium, primary body, xylem and phloem; roots, stems, and leaves; flowers and fruits; ecological anatomy.

Corequisite: BIOL 649L

### **BIOL 651 - Advanced Cell Biology**

(3-0-3) Contemporary experimental procedures and knowledge of cell structure and function; including cell anatomy, genetics, growth and differentiation, molecular and physiological processes, and communication mechanisms. Emphasis will be placed on the discussion and presentation of current peer-reviewed literature.

### **BIOL 652 - Aquatic Entomology**

(1-4-3) Survey of aquatic insects, their ecology, their biology and how they are used as environmental biomonitors. Emphasis is placed on using taxonomic keys for insect identification and field sampling techniques. Extensive field work is expected, some all-day field trips required.

Corequisite: BIOL 652L

### **BIOL 654 - Environmental Education**

(2-2-3) Distribution and reserve depletion of wildlife, forest, land, water, air and mineral resources; emphasis on population, pollution and environment. Field trips to environmentally important areas are required. Especially designed for in-service and pre-service teachers.

Corequisite: BIOL 654L

### **BIOL 656 - Plant Morphology**

(2-2-3) Fossil and living non-vascular plants (except bacteria) and vascular plants; emphasis on ecology, morphology and evolution.

Corequisite: BIOL 656

### **BIOL 670 - Directed Research**

(1 to 3 hrs.) Problem must be approved prior to registration; proposal or plan for investigation must be jointly (student and directed research advisor) composed before or immediately after registration. Final copies of the completed work must be filed with the directed research advisor and the department chair. Required of all nonthesis option students.

### **BIOL 671 - Graduate Seminar**

(1-0-1) Report of individual research by students following completion of BIOL 670 (Directed Research) or BIOL 699 (Thesis). Required of all graduate students in biology.

Prerequisite: 18 hours in BIOL 600 or higher

### **BIOL 673 - Medical-Veterinary Entomology**

(3-2-4) Emphasis is placed on the identification, life history, behavior and ecology, and prevention and control of insects and arachnids of medical and veterinary importance, as well as the viral, bacterial, protist and filarial pathogens they may transmit to humans and domesticated animals.

Prerequisite: Graduate standing and at least 6 hours from BIOL

Corequisite: BIOL 673L

### **BIOL 676 - Directed Study**

(1 to 3 hrs.) Specialized topics in the biological and environmental sciences, perhaps taken before beginning a thesis or directed research. Examinations and/or formal presentations before the faculty and students may be required.

### **BIOL 678 - Animal Behavior**

(3-0-3) An introduction to the principles of animal behavior with emphasis on ecological and evolutionary implications.

### **BIOL 680 - History of Science**

(3-0-3) Development of scientific traditions, discoveries and concepts from the time of ancient Egypt to the present.

### **BIOL 683 - Selected Workshop Topics**

(1 to 4 hrs.) Workshops in various biological and environmental subjects will be presented periodically, based on need. Usually hands-on, experimental, and/or innovative, these workshops supplement various programs in the biological and environmental sciences or other disciplines. Individual credit toward degree programs must be approved by the student's advisor.

### **BIOL 690 - Biochemistry**

(4-0-4) In-depth survey of the major groups of biomolecules, including carbohydrates, lipids, proteins, nucleic acids, enzymes; biosynthetic pathways; energy metabolism; enzyme mechanisms; and regulation of biochemical processes.

### **BIOL 693 - Laboratory Techniques Biochemistry**

(2-0-2) Weekly laboratory sessions focusing on advanced techniques utilized in the study of biological molecules. Emphasis will be placed on methods in isolation and characterization of biological materials, density gradient ultracentrifugation, spectroscopic methods, electrophoretic techniques, chromatographic separations, radioisotopic labeling, and statistical analysis of experimental data.

### **BIOL 699 - Thesis**

(6 hrs.) Research and thesis writing. Required of all thesis option students. Student allowed to enroll only once; partial credit not allowed.

## **BIS - Business Information Systems**

### **BIS 620 - Integrating Technology in Teaching and Learning**

(3-0-3) Designed for K-16 educators to learn more about how information technology can be integrated into instruction to enhance student learning. Participants interact with a wide variety of educational resources on the World Wide Web and gain experience with practical curriculum applications and assessment techniques. The online course format allows participants to tailor the learning experience to their specific curricular areas or interests.

### **BIS 621 - Instructional Innovations in Business and Information Technology Education**

(3-0-3) Learning theory, current research, methodology, techniques, utilization of research finding, and testing and evaluation in skill subjects.

### **BIS 630 - Managerial Communications**

(3-0-3) Emphasis on development of communications skills as a strategic competency for managers in an organization. Provides practical applications of managerial communications within the contemporary corporation, government agency and nonprofit organization. Underscores the role of the manager as the beacon for effective communication in organizations.

### **BIS 676 - Directed Study**

(1 to 3 hrs.) Research in business education.

## **CHEM - Chemistry**

### **CHEM 639 - Cooperative Education**

(1 to 8 hrs.)



**CHEM 699 - Special Class**  
(1 to 6 hrs.)

## CIS - Computer Information Systems

### CIS 615 - Managing Information Technology

(3-0-3) A strategic approach to information systems, providing a global perspective on the expanding role of information technology and digital networks in business and management. The course places a strong emphasis on transforming business processes for e-business and e-commerce. It is designed to help future business leaders in all functional areas of business (finance and accounting, manufacturing and production, marketing and sales, human resources, etc.) understand information technology concepts, terminology, trends, issues and opportunities.

### CIS 625 - Web Information Systems and Internet Technologies

(3-0-3) Concepts fundamental to understanding Internet-based information systems. The course addresses a wide range of Internet and Intranet applications and strategies for business. Topics include infrastructure technologies; Internet-driven electronic commerce with database access; Intranet development and strategies for transforming internal business processes; information appliances; bandwidth; smart card information technologies; security devices including an encrypted public key; third-party object-oriented controls; website creation and Web server implementation.

### CIS 628 - E-Business Application Programming

(3-0-3) A critical component of e-business application development requires the IT developer to be knowledgeable in Internet programming and Web development application tools. This course provides students with an opportunity to develop essential programming skills for building e-commerce application platforms. Topics include an overview of e-business (concept, model and practical issues), a review of existing Web development technologies, and hands-on development of e-business application systems using current programming tools.

### CIS 632 - Desktop Computing and Web Collaboration

(3-0-3) This course focuses on the use of advanced productivity software tools to support decision making, organizational processes and workgroup collaboration. Topics include a variety of software applications for enhancing productivity at the desktop as well as at the enterprise level.

### CIS 634 - Management of Telecommunications and Networking

(3-0-3) Concepts fundamental to achieving telecommunications in a computer environment. Topics will include LANS, WANS, distributed networks, the Internet, Intranets, computer telephony integration and management issues related to the analysis and application of the systems. Technology including network protocols and the OSI model; media including twisted pair, coaxial, hybrid coax and fiber; connectivity technology including bridges, routers and gateways; cellular, satellite and microwave, wireless. Students will create a Web page using HTML to simulate the use of Internet technologies for corporate intranets.

### CIS 635 - Seminar in Information Systems

(3-0-3) This is a seminar on the management of information services within a business entity. Major topics in the management of the information systems function - whether at a corporate or

business unit level are covered. The course incorporates a lecture series approach using IS speakers who will describe current management of IS issues/trends in local organizations. Current IS trends and issues will be investigated.

### CIS 636 - Global Information Systems

(3-0-3) Integration of current information technology issues in an international context. The contemporary global organization must effectively integrate information technology and communication technology into its activities. These technologies are increasingly fundamental to an expanding range of activities within the organization. This integration must include the managerial, operating, and strategic dimensions of the organization's information systems with an awareness of cultural diversity. Includes international logistics, worldwide communications networks and standards, collaboration mechanisms, systems integration, adapting the information infrastructure across international boundaries and global management issues.

### CIS 638 - Database Systems

(3-0-3) Focus on the overall management of data needs of an organization and on the design and development of database applications. Coverage of database design concepts and procedures. Examination of dominant database models, emphasizing the relational model. Principles and techniques of logical database design. Introduction to physical representation and storage of data in a computer system. DBMS tools to retrieve and manipulate data.

### CIS 640 - Systems Planning and Implementation

(3-0-3) The fundamental theory and conceptual framework for the planning and implementation of information systems designed to serve global-reach enterprises of all sizes. Strategic vision formulation and opportunity identification. Tactical approaches and formal solution design models.

### CIS 641 - Qualitative and Quantitative Research Methods

(3-0-3) This course allows the student to explore and investigate the current issues related to research, become educated consumers of research, and be able to design scholarly and applied qualitative and quantitative methods of inquiry at an introductory graduate level.

### CIS 642 - Systems Security

(3-0-3) An overview of systems security for global-reach enterprises of all sizes. Topics include confidentiality, integrity and availability; formal systems security architectures; common threats and countermeasures; methodologies for access control, authentication, and authorization; cryptographic and biometric initiatives; principles of telecommunications and networked applications security; risks and contingency planning; law, privacy and ethics considerations.

### CIS 645 - Customer Relationship Management Systems

(3-0-3) This course is an in-depth study into e-business customer relationship management (CRM) technologies and strategies. This class will review e-business approaches for managing all aspects of the customer lifecycle across Internet and offline channels. Students will work with software like SAP to develop an Internet customer interaction application and will also develop an eCRM strategy as part of a group project/case study. Specific eCRM technologies will be studied and compared. This course offers the student an outline for the need for customer-centric marketing

strategies using computer software. Uses and benefits of databases from a marketing standpoint are highlighted in this course.

### **CIS 650 - Innovation, Technology and Organizational Change**

**(3-0-3)** This course examines the literature on innovation, technology and organizational change in order to understand the variables that impact organizational development, growth and performance. The primary focus is on strategic planning and leadership for effective implementation of organizational change. It examines key elements of technology and innovation that can transform and energize businesses and public entities. These elements include commerce, knowledge management and business operations. This course stresses both the practical and academic view to meet the needs of business students.

### **CIS 655 - Management of Healthcare Information Systems**

**(3-0-3)** This course explores the role of information technology in current healthcare management. Topics include: healthcare data quality, healthcare information systems (HIS) regulations, laws and standards, history and evolution of HIS, security of HIS, IT alignment and governance of HIS, assessing and achieving value in HIS, emerging technology, selection of information systems, management of information, electronic medical records, the Internet's impact on a healthcare organization's business processes and other current events.

### **CIS 660 - Enterprise Systems**

**(3-0-3)** Managing and implementing enterprise-wide systems is a current trend in today's organization. This course presents an overview on enterprise-wide applications and gives the student a broad, conceptual framework for understanding business process integration. The challenges and successful strategies related to design and implementation of enterprise systems in today's organizations will be investigated.

### **CIS 670 - Directed Research**

**(1 to 3 hrs.)** Provides an opportunity and challenge for directed study of computer information systems problems. Students must present a written statement prior to registration of an approved research problem.

### **CIS 681 - Selected Workshop Topics**

**(1 to 4 hrs.)** Workshops on various computer information subjects will be presented periodically to supplement the basic course offerings in computer information systems. Credit toward degree programs must be approved by the student's advisor.

### **CIS 690 - Information Systems Project Management**

**(3-0-3)** Students apply standard project management methodology to complete a capstone project in a real-world working environment. Working in teams, students analyze the project in a paced approach, identify and document metrics and milestones, and deliver an information systems solution under a deadline that meets the agreed-upon project objectives. Final deliverables include a term portfolio and a formal class presentation.

Prerequisite: 1. BIS 640, CIS 640, CIS 650 and CIS 636, 2. 3 graduate level IS technical courses

### **CIS 698 - Advanced Supervised Field Experience**

**(3-0-3)** Designed to give graduate students the opportunity to gain an experiential learning arrangement, under the supervision of a faculty member and coordinator in business and industry.

### **CIS 699A - Thesis**

**(3 or 6 hrs.)** Independent research and thesis writing.

## **COMM - Communications**

### **COMM 600 - Research Methods in Communication**

**(3-0-3)** Study of qualitative research methods in areas of communication, including such issues as fundamentals of research design, data collection and analysis, and reporting of research results. Students will participate in research using either qualitative or quantitative research methodologies.

### **COMM 605 - Communication Theory**

**(3-0-3)** Study of theories related to communication and the influence of communication on human behavior.

### **COMM 610 - Bibliographic Research and Writing**

**(3-0-3)** Construction of working research bibliographies through examination of professional journals, advanced studies, textbooks, book reviews, thesis and dissertations in the field of communication.

### **COMM 611 - Advanced Public Speaking**

**(3-0-3)** Exposure to traditional preparation and delivery of complex speeches.

### **COMM 621 - Special Topics in Communication**

**(3-0-3)** An exploration of problems in communication with special research projects in advertising/public relations, electronic media, journalism, speech/rhetoric and theatre. May be repeated once for credit.

### **COMM 647 - Internship**

**(1 to 3 hrs.)** Competency-based practical experience aimed at increasing the student proficiency in the specified position to which he or she is assigned. Prior application and approval by department chair are necessary.

### **COMM 650 - Intercultural Communication**

**(3-0-3)** The course will center on the theoretical foundations of intercultural communication (co-cultures in the United States and international cultures) and on the application of those theories in original research. Theories in the areas of identity, language, nonverbal communication, context, and communication ethics will be covered throughout the course. Students will conduct their own research study.

Prerequisite: COMM 600 and COMM 605

### **COMM 662 - Media Criticism**

**(3-0-3)** Examination of broadcasting in sociological, aesthetic, historical, psychological and humanistic terms.

### **COMM 664 - Public Opinion and News Media**

**(3-0-3)** A study of cultural, social and psychological aspects of public opinion and how it impacts and is influenced by the mass media. Includes analysis of public opinion's impact on the democratic process.

### **COMM 665 - Organizational Behavior**

**(3-0-3)** A study of human interpersonal behavior to understand, evaluate and appraise business and social situations. The emphasis is on skill and ability to work with people, groups and institutions by demonstration in the classrooms and use of theory and techniques. Equates with MNGT 665.

**COMM 667 - Organizational Communication**

(3-0-3) Study of the functions of communication within organizations and professional environments. Students may be assessed a fee for materials distributed in class.

**COMM 670 - Directed Research**

(1 to 3 hrs.) Design and implementation of an independent research project under faculty direction. Tailored to fit the individual needs of the graduate student. Prior arrangement necessary; a proposal must be submitted for approval of the supervising faculty.

**COMM 682 - American Popular Culture and Communication Technology**

(3-0-3) Examination of the role and effects of major advances of communications technology on the course of American popular culture and society in the past, present and future.

**COMM 683 - Advanced Small Group Communication**

(3-0-3) Study of current theory and concepts pertaining to the discussion process.

**COMM 699 - Thesis (3-6)**

(3 to 6 hrs.)

**CRIM - Criminology****CRIM 600 - Advanced Topics in Criminology**

(3-0-3) Topics will vary each time the course is offered.

**CRIM 601 - Criminology Theory**

(3-0-3) This course offers an intensive analysis of the major areas of criminological theory. Primary emphasis is placed upon contemporary theoretical issues. Equates with SOC 601.

**CRIM 602 - Realities of Prison Life**

(3-0-3) This course provides an intensive analysis of the realities of prison life. The emphasis will be placed on issues surrounding the daily routine of incarcerated individuals. Special needs offenders will also be examined.

**CRIM 616 - Working with Offenders**

(3-0-3) Students will learn the basic structure of the counseling process with offenders including techniques and practice skills.

**CRIM 625 - Deviance**

(3-0-3) This course analyzes deviance as social behavior. Emphasis is placed upon acquisition of an understanding of the major sociological theories of deviance. Equates with SOC 625.

**CRIM 661 - Sociology of the Law**

(3-0-3) This course provides a clear understanding of the manner in which laws are formed to protect certain groups and marginalize others who are often perceived as threatening. Students deconstruct specific laws by analyzing the formation of criminal law from its incipient stages of development in American society.

**CRIM 665 - Environmental Sociology**

(3-0-3) This course introduces this subfield of sociology examining current environmental issues and conflicts and various theoretical perspectives used to understand them and formulate solutions. The role of grassroots organizations is also reviewed. Equates with SOC 665.

**CRIM 670 - Directed Research**

(1 to 3 hrs.) Qualified students may arrange with criminology staff for a research project on a topic in criminology.

**CRIM 676 - Directed Study**

(1 to 3 hrs.) Qualified students may arrange with faculty for individual work on some particular problem in criminology.

**CS - Computer Science****CS 620 - Data Mining Concepts**

(3-0-3) This course introduces the basic concepts of data mining and knowledge discovery. Topics include: data types, data patterns, data preprocessing, data cleaning, outlier analysis, features reduction, feature discretization, data integration, data mining process, learning machines, statistical learning theory, learning methods, model estimation, Bayesian inference, Logistic regression, classification and prediction.

Prerequisite: CS 303

**CS 640 - Data Mining Methodologies**

(3-0-3) This course will provide an in-depth study of data mining methodologies and techniques. Topics include cluster analysis, similarity measures, agglomerative hierarchical clustering, partitional clustering, incremental clustering, decision trees, decision rules, associative-classification method, association rules, multidimensional association-rules mining, mining sequence patterns, artificial neural networks, genetic algorithms, fuzzy sets and fuzzy logic, and visualization methods.

Prerequisite: CS 620

**CS 650 - Applied Data Mining**

(3-0-3) Advanced study of the applications of data mining techniques in different fields to solve complex problems. Topics include Web mining, text mining, spatial data mining, multimedia data mining, data mining for financial data analysis, mining of DNA data, telecommunications industry, e-commerce and security.

Prerequisite: CS 640

**CTE - Career and Technical Education****CTE 630 - Evaluation Techniques**

(3-0-3) The use and development of a framework of measurement and evaluation in CTE. Includes validity and reliability of measuring instruments, objectives and programs, interpretation of material, statistical analysis and research.

**CTE 640 - Administration and Supervision of CTE**

(3-0-3) Emphasis will be placed on philosophy, concepts and theories of administration and their application to practical career and technical school situations. Students will develop a basis for learning and applying administrative decision techniques to implement administrative duties in a career and technical school setting.

**CTE 650 - Organization and Administration of CTE**

(3-0-3) Continuation and practical application of the career and technical education theories of administration and supervision examined in CTE 640. Additional study of state and federal legislation, fiscal requirements, community relations and professional staff development is included.

### **CTE 660 - Trends and Issues in CTE**

(3-0-3) The identification and study of problems and issues pertaining to the new roles of career and technical education with special emphasis on education reform.

### **CTE 661 - Foundations of Career and Technical Education**

(3-0-3) Study of the philosophical positions underlying the development of occupation-based career and technical education; leaders, their influence and contributions; contemporary theories affecting the current programs of occupation-based career and technical education.

### **CTE 671 - Seminar for Career and Technical Education**

(1-0-1) Participants will develop a further understanding of the underlying concepts of occupation-based career and technical options by participation in one or more programs followed by informal discussion.

### **CTE 685 - Principles and Philosophy of CTE**

(3-0-3) Background, development, objectives, principles, philosophy, status and trends of career and technical education; organization and administration of career and technical education at all levels including the impact of new policies regarding education reform.

### **CTE 698 - Career Guidance and Development**

(3-0-3) Study of the importance of work; use and selection of tests to assist in career and technical choice; methods and techniques with a revitalization of career planning and career and technical development in students..

## **ECON - Economics**

### **ECON 600 - Survey of Economics**

(3-0-3) A survey of economic analysis, including both the theory of the firm and national income determination. This course does not satisfy the requirements of the 30 hour MBA program.

### **ECON 602 - Survey of Quantitative and Financial Analysis**

(3-0-3) Using statistics and finance in management decisions. Understanding of descriptive statistics, probability theory and statistical inference and forecasting. Understanding financial statement analysis, interest rates, financial markets and institutions, time value of money, investments and how finance affects managerial decision making. Equates with MNGT 602.

### **ECON 645 - Public Policies toward Business**

(3-0-3) The problem of business combination and monopoly; the functioning of imperfectly competitive markets; antitrust laws, their interpretation, and their economic effects; regulation and deregulation of business; regulatory agencies and their policies.

### **ECON 661 - Managerial Economics**

(3-0-3) Applications of economic theory to management decisions; demand analysis; cost determination; pricing; capital budgeting.

### **ECON 662 - Business Cycles and Economic Forecasting**

(3-0-3) A study of aggregate supply and demand analysis; factors determining the level of changes in output, the rate of inflation, and interest rates, theories of the business cycle, economic forecasting methods using leading indicators, statistical techniques, judgmental methodologies and economic models.

### **ECON 670 - Directed Research**

(1 to 3 hrs.) Provides an opportunity and challenge for directed study of economic problems. Student must present a written statement prior to registration of an approved research problem.

### **ECON 681 - Selected Workshop Topics**

(1 to 4 hrs.) Workshops on various economic subjects will be presented periodically to supplement the basic course offerings in economics. Credit toward degree programs must be approved by the student's advisor and the department chair.

### **ECON 690 - Economic Education for Teachers**

(3-0-3) Fundamental economic concepts and their application and integration in education.

## **EDAH - Adult and Higher Education**

### **EDAH 641 - Administrative and Management Issues in Higher Education**

(3-0-3) Selection, assignment, guidance, evaluation, payment, promotion and retirement of academic personnel, organization and development of curricular policies, and instructional resources.

### **EDAH 642 - Student Personnel in Higher Education**

(3-0-3) Principles of organization and administration of personnel programs and services in higher education.

### **EDAH 643 - Seminar in Higher Education**

(3-0-3) Series of presentations by graduate students, visiting lecturers, and members of graduate faculty on problems and issues confronting adult educators, and/or individual and group study on current issues in higher education.

### **EDAH 644 - Principles of Higher Education**

(3-0-3) This course provides an overview of higher education as it exists in the United States, to include its historical development, current purposes, functions and issues in the field, and general directions for the future.

### **EDAH 645 - Selected Topics in Adult Education: Instructional Leadership in Basic Adult Education**

(3-0-3) This course engages adult basic education program directors in exploring what it means to be a leader in the context of adult basic education and the critical role of staff supervision and support in effective programming.

Corequisite: EDAH 646

### **EDAH 646 - Selected Topics in Adult Education: Continuous Improvement in Adult Basic Education**

(3-0-3) This course engages adult basic education program directors in exploring research and analyzing local program data in order to develop and implement a program improvement plan based on prioritized needs.

Corequisite: EDAH 645

### **EDAH 647 - Principles of Adult Education**

(3-0-3) This course provides an overview of adult education as it exists in the United States, to include its historical development, current purposes, functions and issues in the field, and general directions for the future.

### **EDAH 650 - Developmental Education for Adult Students**

(3-0-3) Sociological, psychological and economic problems of adult students requiring development and remediation studies. Investigation of traditional and innovative approaches utilized in working with these students.

### **EDAH 651 - Human Development in Adulthood**

(3-0-3) Psychological and physiological changes in adulthood; designed to provide opportunities to apply knowledge of human development to problems of working with adults.

### **EDAH 653 - Program/Curriculum Development and Evaluation**

(3-0-3) Study of program and curriculum development with special emphasis on designing and improving programs through an evaluation process.

Prerequisite: EDAH 644, EDAH 647, and EDF 600

### **EDAH 660 - Survey of Community College**

(3-0-3) This course provides an overview of the history, purpose and function of the community colleges as two-year, postsecondary institutions in the United States, to include cursory examinations of missions, personnel, students, curriculum, organizations, administration and accreditation.

### **EDAH 661 - The Community College Student**

(3-0-3) This course focuses on understanding the community college student in-depth. While examining various college student development theories, community college student development is compared with that of four-year and other postsecondary education institutions to foster a sociocultural and socioeconomic understanding of the community college makeup and produce service, administrative and teaching professionals more responsive to community college student needs.

### **EDAH 662 - Seminar in Community College**

(3-0-3) This course is designed to allow students to investigate current ethical, legal and social trends and issues of the theory and practice within the community college field at regional and/or national levels.

### **EDAH 670 - Directed Research**

(1 to 3 hrs.) Supervised research investigation of a professional problem. Student must submit proposal describing the nature and procedure of research prior to starting. Format for proposal will be supplied by the instructor upon request. Copy of final report on the project required for department's permanent file of completed projects.

Prerequisite: EDF 600

### **EDAH 671 - History of Adult and Higher Education**

(3-0-3) This course examines how adult and higher education has been fostered in the past relative to cultural conditions.

### **EDAH 672 - Philosophy of Adult and Higher Education**

(3-0-3) This course is a study of the philosophies of adult and higher education as they have developed from ancient times to the present.

### **EDAH 673 - International Adult and Higher Education**

(3-0-3) This course provides an overview of the foundations, definitions, purposes, frameworks, functions and issues of international adult and higher education in an era of internationalization and globalization.

### **EDAH 676 - Directed Study**

(1 to 3 hrs.) Guided study of a professional problem. Student must submit plan describing nature of study prior to starting. Format for plan will be supplied by the instructor upon request. Copy of final report on the study required for department's permanent file of completed projects.

Prerequisite: EDF 600

### **EDAH 678 - Internship**

(1 to 3 hrs.) Supervised experience in activities appropriate to areas of specialization.

### **EDAH 680 - Selected Topics**

(1 to 3 hrs.) Workshop for specifically designated task orientation in education. May be repeated in additional subject areas.

Maximum of six semester hours may be earned under this course number.

### **EDAH 681 - Global Comparative Adult Education**

(3-0-3) This course examines and compares different perspectives, purposes, and emphases of adult education in divergent cultures across the world in order to understand the field in a global context and the concomitant evolution of theory and practice.

### **EDAH 682 - Authoritative Systems for Social Change**

(3-0-3) Pursuant to the eminence of social justice in adult education, this course explores the use of authoritative systems such as law and politics, to include administrative procedure and public law processes to effect social change.

### **EDAH 683 - Legal Issues in Adult Education**

(3-0-3) This course examines law and legal issues in the context of adult education. Students critically examine various laws and how they affect adult educators in order to improve the effectiveness of various levels of practice.

### **EDAH 684 - Adult Education Learning Practice, Theory and Style**

(3-0-3) This course examines tools, processes, methods, strategies and theories to effectively facilitate adult learning. It is designed to introduce adult educators of all kinds to the competencies necessary for successful training and education delivery.

### **EDAH 688 - Seminar in Adult Education**

(3-0-3) Series of presentations by graduate students, visiting lecturers and members of graduate faculty on problems and issues confronting adult educators.

### **EDAH 691 - Global Comparative Higher Education**

(3-0-3) This course examines and compares different systems and characteristics of higher education in select nations across the world in order to understand these systems in a global context and their concomitant evolution of institutional structures, missions and values.

### **EDAH 692 - Governance and Finance in Higher Education**

(3-0-3) Intended for current or future faculty, administrators, student affairs professionals, policy makers and policy researchers and analysts, this course examines and compares college and university governance, economic and finance structures, processes and policies at federal, state and local levels and the forces that affect them.

### **EDAH 693 - Legal and Political Issues in Higher Education**

(3-0-3) With the intent of exposing students to theoretical, conceptual and practical analyses of political and legal influences, this course examines legal and political issues and environments in the context of higher education.

### **EDAH 699 - Thesis**

(6 hrs.)

### **EDAH 699A - Applied Project**

(1 to 6 hrs.)

## **EDD - Educational Leadership Doctorate**

### **EDD 800 - Doctoral Seminar**

(1-0-1) Series of presentations by graduate candidates, visiting lecturers and members of graduate faculty on problems and issues confronting both the administrative leadership and educational technology tracks. Course must be completed three times for a total of three credit hours.

### **EDD 801 - Principles of Leadership: Service to Others**

(3-0-3) This course is designed to introduce candidates to the study and application of servant leadership, including concepts and tools that allow the serving leader to empower and equip all stakeholders of the organization. The content includes what role self-leadership plays in effectively leading others, and how personal core values and ethical modeling drives the guiding principles of the organization, thus growing capacity, health and the freedom to be innovative.

### **EDD 804 - Analysis and Synthesis: Problem Framing and Problem Solving**

(3-0-3) This course provides an advanced study of organizational leadership for a world that is always evolving. It will help candidates understand that solutions to problems are grounded on the interaction of the school leader's knowledge of theory with the political and social processes in which the institution is immersed.

### **EDD 806 - Educational Change: Change Theory, Futuring and Creative Planning**

(3-0-3) This course provides advanced study on educational change to include change theory and the gathering of objective and empirical data to inform scenario and succession planning which reflect creative planning. Discussion and course activities will include examination of "what is" and "what may be" and the impact that privileged thinking has on an organization.

### **EDD 808 - Legal and Ethical Issues: The Exercise of Judgment in Education**

(3-0-3) This course provides advanced study of state and federal laws that affect the administration of schools, students and personnel. This advanced course in school law will focus on legal and ethical issues that are likely to be encountered by school leaders. This course seeks to equip our graduates with a sound legal and ethical background that will enable them to serve a diverse population in a fair and ethical manner.

### **EDD 810 - Understanding and Conducting Research: Effective Schools**

(3-0-3) This course provides advanced study on quality of applied educational research and the development and application of effective educational research designs aimed at eliminating barriers to student learning.

### **EDD 811 - Action Research and Grant Writing**

(3-0-3) This course is designed to provide educators with practical skills in the use of action research and grant writing to address educational concerns. Specific topics include defining the educational problem, developing a literature review, designing a pilot project and developing grant proposals.

### **EDD 876 - Directed Doctoral Study**

(1 to 6 hrs.) Guided study of a professional problem through field experience or practicum. Candidate must submit a plan describing the nature of the study prior to starting. The study should be linked to the candidate's prior program research.

### **EDD 899A - Doctoral Capstone I**

(1 to 6 hrs.) Final capstone project for doctoral candidates. Completion of all doctoral coursework requirements must be met before enrolling in this course.

### **EDD 899B - Doctoral Capstone II**

(1 to 6 hrs.) Final capstone project for doctoral candidates. Completion of all doctoral coursework requirements must be met before enrolling in this course.

Prerequisite: EDD 899A

## **EDEC - Early Childhood Education**

### **EDEC 600 - Workshop**

(1 to 3 hrs.) Workshop for specifically designated task orientation in education. May be repeated in additional subject areas. Maximum of six semester hours may be earned under this course number.

### **EDEC 627 - Infant and Toddler Curriculum**

(3-1-3) Principles of growth and development from prenatal period to age three. Focuses attention on learning experiences for infant and toddlers. Laboratory experiences are an integral part of this course.

### **EDEC 637 - Early Childhood Education**

(2-1-3) Students will survey the history and philosophy of early childhood education. Programs, methodology and materials employed for and with children aged birth to six will be critically reviewed. Students will be expected to familiarize themselves with practices based upon current research and to discuss emerging early childhood issues.

### **EDEC 670 - Directed Research**

(1 to 3 hrs.) Supervised research investigation of a professional problem. Student must submit a proposal describing the nature and procedure of research prior to starting. Format for the proposal will be supplied by the instructor upon request. Copy of final study required for department's permanent file of completed research projects.

Prerequisite: 1. EDF 600 2. 15 hours in graduate level courses

### **EDEC 676 - Directed Study**

(1 to 3 hrs.) Supervised investigation of a professional problem. Student must submit a proposal describing the nature and procedure of the study prior to starting. Format for the proposal will be supplied by the instructor upon request. Copy of final study required for department's permanent file of completed projects.

Prerequisite: 15 hours in graduate level courses

**EDEC 699 - Thesis**  
(6 hrs.)

## **EDEL - Elementary Education**

**EDEL 600 - Workshop**

(1 to 3 hrs.) Workshop for specifically designed task orientation in elementary education. May be repeated in additional subject areas. Maximum of six semester hours may be earned under this course number.

**EDEL 616 - Educational Computing**

(3-0-3) The development of competencies in the use of microcomputers for instruction, management, information processing, computer assisted instruction, and practical high-level programming applications through programming assignments. Hardware and operating systems are covered. Designed primarily for students without previous data processing instruction. Equates with EDSE 616.

**EDEL 621 - Elementary Mathematics Teaching: Research, Practice and Leadership**

(3-0-3) Research-based embedded professional development strategies, as well as leadership skills, will be developed as tools to sustain improvements in the teaching and learning of mathematics. Research-based mathematics teaching and learning strategies will be explored with a focus on how children think mathematically. Conflicting views of mathematics teaching will be examined with the goal of developing a personal philosophy of mathematics teaching and learning.

Prerequisite: EDEE 321 or EDUC 618 or other entry-level mathematics methods course.

**EDEL 622 - Social Studies in Today's Elementary Schools**

(3-0-3) Investigation of current materials, methods of teaching and developments in elementary social studies.

**EDEL 623 - Advanced Language Arts for the Elementary Teacher**

(3-0-3) Emphasis on theories of language development, current research and modern approaches to teaching elementary school language arts. Students will refine skills in curriculum development and implementation, assessment and instructional techniques.

**EDEL 624 - Literacy Practicum**

(2-5-3) This course is designed to prepare teachers to use assessment data to design applicable instruction and remediation for heterogeneous groups of students with literacy difficulties in grades K-12. In addition to the study of current literacy theory, methods and materials will be investigated and utilized. Supervised practicum experiences are required.

Prerequisite: EDEL 662

**EDEL 625 - Foundations of Language Development**

(3-0-3) Designed to provide an in-depth view of language development. This course will focus on the sequence and process of that development. Course content is drawn from studies and theories in the disciplines of education, linguistics, psychology and speech.

**EDEL 626 - Investigations in Reading**

(3-0-3) Study of current literature and research in the study of reading.

**EDEL 627 - Reading in the Elementary School**

(3-0-3) Extensive study of recent trends in materials and methods in teaching reading in the elementary school.

**EDEL 628 - Materials and Methods in Reading Instruction**

(3-0-3) In-depth study of innovative materials produced for use in the teaching of reading. Techniques for effectively implementing these materials in the classroom are investigated.

**EDEL 629 - Literature across Curriculum**

(3-0-3) This course examines the integration of children's literature, both narrative and expository, across the curriculum.

**EDEL 630 - Curriculum Construction**

(3-0-3) Study of basic principles of curriculum development in local school system.

**EDEL 632 - Elementary School Curriculum**

(3-0-3) Implications of wider goals of elementary education; relation of each area of learning to the total program, research studies and promising classroom experiences.

**EDEL 640 - Contemporary Instructional Practices in Grades P-9**

(3-0-3) This course will explore a variety of models of teaching and the relationship between instruction and the learner, including active learning, critical thinking, questioning strategies and grouping structures. A focus will be on learner characteristics of multiple intelligences, gender diversity and learning styles.

**EDEL 662 - Literacy Assessment**

(2-2-3) This course is designed to prepare teachers to assess and diagnose literacy difficulties in heterogeneous populations of students in grades K-12. In addition to the study of current literacy theory, methods and materials will be investigated and utilized. Supervised field experience is required.

Prerequisite: EDEM 330, EDEE 331, or EDMG 332

**EDEL 670 - Directed Research**

(1 to 3 hrs.) Supervised research investigating a professional problem. Student must submit a proposal describing nature and procedure of research prior to starting. Format for proposal will be supplied by instructor upon request. Copy of final report on the project is required for department's permanent file of completed projects.

Prerequisite: 1. EDF 600 2. 15 hours of graduate level courses

**EDEL 676 - Directed Study**

(1 to 3 hrs.) Guided study of a professional problem. Student must submit a plan describing the nature of the study prior to starting. Format for the plan will be supplied by the instructor upon request. A copy of the final report on the study required for department's permanent file of completed projects.

**EDEL 677 - Reading in the Content Areas**

(3-0-3) Basic reading ability and study skills needed by elementary and high school students in all types of reading materials. Emphasis on special skills needed for study in science, social studies, mathematics and literature.

### **EDEL 682 - Advanced Curriculum Development**

(3-0-3) A study of the principles of evaluating, developing and writing curriculum for local schools, grades K-12. The course will also deal with significant historical curriculum projects and organizational approaches for curriculum development for schools in the United States.

Prerequisite: EDEL 630, EDEL 632 or EDMG 636

### **EDEL 685 - Collaboration for Teachers**

(3-0-3) This course will explore the various types of collaborative involvement found in schools today-between teachers, between teachers and administrators, between educators and parents, and between educators and the community.

### **EDEL 686 - Seminar for Experienced Teachers in Grades P-9**

(3-0-3) This course is designed as an advanced graduate seminar and serves as a culminating experience. Through group study, oral reports, independent investigation and discussion, students will explore current educational issues related to the teacher's expanding role in the community and the profession. Self-evaluation and reflection on professional practices are an integral part of this seminar. This course cannot be taken until the student has completed 24 hours if enrolled in the Ed.S./Rank I degree; 30 hours if enrolled in the Rank I from Fifth-Year Program. This includes all of the professional education courses; can be concurrently enrolled in one of these.

### **EDEL 699 - Thesis**

(6 hrs.)

### **EDEL 699A - Applied Project**

(6 hrs.)

## **EDF - Education Foundations**

### **EDF 600 - Research Methods in Education**

(3-0-3) Selection, delineation and statement of a research problem, techniques of bibliography building, methods of organization, recognized methods of investigation, application of statistical methods to research problems and style standards for research writing. Attention given to the educational curriculum framework.

### **EDF 610 - Advanced Human Growth and Development**

(3-0-3) Developmental processes across the lifespan. Application of principles of development, research findings and theory of human development and behavior.

### **EDF 611 - Adolescent Development**

(3-0-3) A concentrated examination of cognitive, physical, social, moral, and emotional development of early and late adolescence. Effective learning and teaching strategies for adolescents are emphasized.

### **EDF 680 - History and Philosophy of Education**

(3-0-3) Beginnings of American system of education; survey of theories of education, factors and forces changing American education philosophies of learning applied to contemporary educational problems.

### **EDF 681 - Advanced Seminar in Contemporary Educational Thought**

(3-0-3) Group discussion and individual research on problems in the historical, philosophical and social foundations of education.

Includes formal writing; oral presentations; group discussion. Students may repeat the course once for credit.

## **EDGC - Guidance and Counseling**

### **EDGC 619 - Career Counseling**

(3-0-3) Overview of career development and career decision theories. Planning and integrating career information and counseling in school programming and classroom vocational counseling in schools, and other settings.

### **EDGC 620 - Psycho-Social and Multicultural Factors in Counseling**

(3-0-3) Study of recently recognized nonclassroom factors impacting student's school behavior and performance, and appropriate counseling strategies designed to assist students.

### **EDGC 656 - Introduction to Counseling**

(3-0-3) History, philosophical principles and development of guidance movement; place of specialist; guidance and the teacher; present status of guidance meeting needs of individual school; objectives, types and scope of guidance.

### **EDGC 661 - Measurement Principles and Techniques**

(3-0-3) Identification of educational objectives associated with test construction; table of specifications; elementary statistics, testing and non-testing procedures. Investigations of major types of tests; administration, scoring and interpretation of test results.

### **EDGC 662 - Assessment in Counseling**

(3-0-3) Special training in choice and utilization of achievement and psychological tests and inventories not requiring clinical training; sociometrics, and observational and interview techniques.

### **EDGC 664 - Theories of Counseling**

(3-0-3) Basic philosophies, principles and procedures in counseling.

Prerequisite: EDGC 656

### **EDGC 665 - Philosophy and Practice of School Counseling**

(3-0-3) Organizational goals and procedures in designing a comprehensive program in information services, appraisal, and counseling; relationships of counselor with school personnel and with community members and organizations; referral procedures; legal implications for counselors.

### **EDGC 667 - Group Counseling**

(3-0-3) Study of theories and principles of individual reaction under stress in group situations and application in group counseling and guidance programs. Groups include school, family and community.

Prerequisite: EDGC 656

### **EDGC 668 - Legal and Ethical Issues in Counseling**

(3-0-3) This course will examine legal and ethical aspects relevant to professional issues in counseling. Current legislation impacting the profession of counseling in various settings will be examined as will recent case law. Ethical codes of the major professional organizations will be examined as will related codes of certification and licensure bodies. Special attention will be given to issues such as the rights of minors, emancipated minors, HIV status, and others.

Prerequisite: EDGC 656



**EDGC 669 - Practicum in Counseling**

**(3-0-3)** \*May be taken the same semester as practicum. Weekly class instruction in techniques of counseling and supervised field experiences counseling individuals and groups. Must fill out application for practicum the semester prior to enrolling and submit to the advisor.

Prerequisite: EDGC 619, EDGC 620, EDGC 656, EDGC 665, EDGC 666 and EDGC 667

**EDGC 670 - Directed Research**

**(1 to 3 hrs.)** Supervised research investigation of a professional problem. Student must submit a proposal describing the nature and procedure of the research prior to starting. Format for the proposal will be supplied by the instructor upon request. Copy of final report on project is required for department's permanent file of completed projects.

Prerequisite: EDF 600

**EDGC 671 - Practices and Techniques in Counseling**

**(3-0-3)** This course has been designed to provide an overview of the fundamental counseling skills and techniques. Students will be provided with opportunities to begin developing basic counseling skills and techniques. This growth will be facilitated by interactive lecture, in-class demonstrations and student videotapes, discussion, and peer counseling that will occur under supervised conditions.

Prerequisite: EDGC 656

**EDGC 674 - Seminar in Guidance and Counseling**

**(1 to 3 hrs.)** Group study and discussion of individual research or study of problems having special significance to the field of guidance and counseling.

**EDGC 676 - Directed Study**

**(1 to 3 hrs.)** Guided study of a professional problem. Student must submit a plan describing the nature of the study prior to starting. Format for the plan will be supplied by the instructor upon request. Copy of final report on the study is required for department's permanent file of completed projects.

Prerequisite: EDF 600

**EDGC 678 - Internship**

**(1 to 6 hrs.)** Supervised experience in activities appropriate to the area of specialization.

**EDGC 679 - Advanced Practicum in Counseling**

**(3-0-3)** Supervised advanced clinical practice for students pursuing post-master's training in counseling.

Prerequisite: EDGC 683

**EDGC 680 - Family Counseling**

**(3-0-3)** The course will focus on the study of the dynamics of the family system. Family counseling will be addressed; including theory, assessment and treatment.

**EDGC 681 - Workshop**

**(1 to 3 hrs.)** Workshop for specifically designated task orientation in education. May be repeated in additional subject areas. Maximum of six semester hours may be earned under this course number.

**EDGC 682 - Counseling Issue in Sexuality**

**(3-0-3)** Comprehensive overview of existing beliefs and knowledge about human sexuality; the variety of its expression, common problems, and the changing sexual patterns of society.

Course is directed toward professional school and agency counselors.

**EDGC 683 - Advanced Counseling Theory**

**(3-0-3)** Comprehensive investigation of advanced theories and applications for counseling. Course is designed as an advanced graduate seminar in theoretical concepts of counseling and to provide an opportunity for the development of advanced intervention skills in cognitive, affective, behavioral and multi-modal approaches to counseling.

Prerequisite: EDGC 666

**EDGC 699 - Thesis**

**(6 hrs.)**

**EDGC 699A - Applied Project**

**(6 hrs.)**

**EDIL - Instructional Leadership****EDIL 601 - Introduction to School Leadership Administration**

**(3-0-3)** A study of modern administrative theories, processes, techniques and responsibilities, with an emphasis on understanding schools as complex organizations and facilitating leadership to create a work climate supportive of excellence in teaching and learning. Emphasis will be given to the organization and administration of the elementary school, middle grade school and secondary school.

**EDIL 603 - Leadership - School Turnaround**

**(3-0-3)** This course is designed to provide current and aspiring school leaders with the skills, knowledge, and resources needed to lead, implement, and assess strategies critical to continuous improvement and the school turn-around process. This course focuses on research-based components that serve as the conceptual framework of this course (e.g., transformational leadership/skills and dispositions, systems thinking, and curriculum/instruction and assessment).

**EDIL 610 - School Leadership (Principal) Practicum**

**(3-0-3)** An opportunity to understand the role of the principal with an emphasis on changes in society and in the schools through time spent interacting with practicing school administrators at school site locations.

**EDIL 618 - School Finance and Support Services**

**(3-0-3)** A study of the concepts of school finance and school business management to include national, state and local issues; school support services including transportation, facility planning and maintenance, food service and risk management.

**EDIL 619 - Technology and Best Practices for School Improvement**

**(3-0-3)** A study of best practices for school improvement documented by research and application of the use of modern technological tools in instructional and administrative processes- evaluation of hardware and software for both instructional uses and administrative tools, review of computer programs, and basic competency in word processing, spreadsheet, database, and presentation software. Use of Internet for instructional and administrative purposes.

**EDIL 621 - Research for Instructional Leadership**

(3-0-3) Study of school leadership and administrative responsibilities, with emphases on understanding schools as complex organizations and facilitating leadership to create a work climate supportive of excellence in teaching and learning.

**EDIL 628 - School Law and Ethics**

(3-0-3) A study of state and federal laws impacting the administration of school pupils and personnel. An investigation of legal and ethical issues as related to practical problems of school administration.

**EDIL 631A - Practicum in District Administration/Supervisor**

(1 hr.) The field experience is related to the instructional leader for the district course with emphasis given to the specific level supervisor of instruction through a minimum of 50 clock hours at that level. The field experiences will be with a cooperating school administrator who has successfully completed a minimum of three years at a supervisor's level and is approved by the faculty of the educational administration programs.

**EDIL 631B - Practicum in District Administration/Supervisor**

(3 hrs.) This course is a combination of clinical field experience and class experience related to the role and responsibility of the superintendent. The field experiences will be with a cooperating school administrator who has successfully completed a minimum of three years at the superintendent's level and must be approved by the faculty of the instructional leadership program. Students will be required to record 100 hours of field experience, participate in online instructor-developed exercises, and attend at least five instructor-approved seminar sessions.

**EDIL 634 - Leadership for Human Resources Development in Schools**

(3-0-3) A study of human resources development practices in school systems, with emphasis on central office and school unit responsibilities for attracting, selecting, developing, evaluating and retaining competent faculty and staff. Content includes organizing groups, group dynamics, conducting effective meetings and resolving conflicts.

**EDIL 635 - Understanding Professional Responsibilities of Teacher Leaders**

(3-0-3) This course examines how Teacher Leaders have the potential to change the school environment to improve student achievement. This course will focus on how ethics (both one's own and the group's) shape decisions and practices, legal issues that impact the school, and finally effective resource management. This curriculum is not necessarily intended for teachers who aspire to be school administrators (although some who take this class may eventually move into designated school leadership positions).

**EDIL 636 - Mentoring for Improved Results**

(3-0-3) This course focuses on developing the knowledge, skills and dispositions necessary for Teacher Leaders to provide high levels of effective coaching and mentoring focused on improving teaching practices and learning for all students.

**EDIL 637 - Leadership for School Program Collaboration**

(3-0-3) A study of integrated instructional support programs in schools and districts and the leadership requirements needed to

facilitate collaboration among school and community-based programs that provide and support student learning.

**EDIL 638 - Designing and Implementing Professional Development**

(3-0-3) This course provides an introduction of knowledge, skills, attitudes, behaviors and aspirations that a Teacher Leader will use in designing, facilitating, implementing and assessing high-quality professional development.

**EDIL 639 - Intentional Planning for Student Learning**

(3-0-3) This course is a combination of clinical field experience and class experiences focusing on the role and responsibility of the superintendent as it relates to planning for student learning. The field experiences will be with cooperating school administrators who must be approved by the faculty of the instructional leadership program. Candidates will be required to record a minimum of 22 hours of field experience and participate in online instructor-developed exercises.

**EDIL 641 - School Superintendent**

(3-0-3) The course is designed for district-level school leaders dealing with the basic functions, duties, responsibilities, and the problems or current issues confronting today's practicing school superintendent. The course includes administrative routine, organizations, fiscal affairs, legislation, support services, communication, evaluation and accountability, and instructional leadership. Candidates will be required to record a minimum of 36 hours of field experience and participate in online instructor-developed exercises.

**EDIL 643 - School Housing**

(3-0-3) A study of school facilities to include financing, design construction, management and curriculum utilization.

**EDIL 645 - Seminar for Effective Administration**

(3-0-3) Designed for advanced graduate students in school administration. Deals with current problems and issues and stresses independent investigation for effective administration techniques. Recommended within last nine hours of the program. Field research project required.

Prerequisite: EDIL 621

**EDIL 646 - Advanced Seminar for Curriculum/Program Development**

(3-0-3) Designed for advanced graduate students in school administration. Deals with current issues and problems in curriculum and stresses independent investigation. The investigations will cover supervisory functions dealing with curricular and program evaluation, analysis and techniques for bringing about the program and curricular change and improvement within the local school system. Field research project required. Recommended within last nine hours of the program.

Prerequisite: EDIL 621

**EDIL 647 - Leadership for School Community Relations**

(3-0-3) A study of the issues and responsibilities relating to the establishment and administration of a school community relations program at the district and school building levels.

**EDIL 649 - School District Management**

(3-0-3) This course is designed around the rhythm of the fiscal and academic year. Candidates will examine activities required of the

superintendent on a monthly basis noting how decisions made early in the fiscal/academic year have implications for decisions that are required late in the fiscal/academic year. Candidates will be required to record a minimum of 60 hours of field experience and participate in online instructor-developed exercises.

### **EDIL 650 - Leadership for School Program Improvement**

**(3-0-3)** A study of how school leaders guide, facilitate and support curriculum, instruction and assessment and create a learning environment that promotes student achievement. Included are studies of techniques used for developing and implementing staff development programs.

### **EDIL 659 - Systems for Change**

**(3-0-3)** This course is a combination of clinical field experience and class experiences focusing on the leveraging school-level and district-level systems to enhance student learning. These systems include curriculum (e.g., planning, delivery, assessment), personnel (e.g., developing evaluation, mentoring), and resources (e.g., technology, human, time). The field experiences will be with cooperating school administrators who must be approved by the faculty of the instructional leadership program. Candidates will be required to record a minimum of 18 hours of field experience and participate in online instructor-developed exercises.

### **EDIL 669 - Leadership for School Problem Solving**

**(3-0-3)** A study of the principles and methods of systematic site-based problem identification, diagnosis and solution for the improvement of practice in school settings.

### **EDIL 671 - Leading, Teaching and Learning**

**(3-0-3)** A study of how school leaders create, facilitate and support an effective learning environment, including the mentoring and utilization of instructional staff and other partners. Specific study of current research in developing effective classrooms, integrating instructional technology, and a survey of state-of-the-art professional development resources and curriculum/instructional tools will be woven throughout this course. Field hours are required for this course.

### **EDIL 672 - Inquiry and Student Achievement**

**(3-0-3)** This course is designed to provide students with competencies in interpretation and use of standardized achievement test results, the function of measurement in education, and the use of data for achievement-related decision-making. It includes a capstone project that elucidates how school leaders use research to guide, facilitate, and support curriculum, instruction, and assessment to promote student achievement. Field hours are required for this course.

Prerequisite: Take 15 hours from EDIL 671, EDIL 673, EDIL 674, EDIL 675, EDIL 677, or EDIL 678

### **EDIL 673 - Human Resource Selection and Development**

**(3-0-3)** A study of human resources development practices in school systems with emphasis on central office and school unit responsibilities for attracting, developing, evaluating and retaining competent faculty and staff. Content includes instructional and organizational leadership; meeting legal requirements, understanding and solving diversity issues; organizing groups; group dynamics; conducting effective meetings; and resolving conflict. Field hours are required for this course.

### **EDIL 674 - Developing and Maintaining a Positive School Culture**

**(3-0-3)** A study of how school leaders envision, empower, equip and support the creation of a school culture that is centered on effective learning communities. Included is the study of current research on relationships and emotional intelligence, effective teams, the "ethics" of school, and practitioner "real life" experiences that expose the candidate to positive, celebrative, student-centered school models. Field hours are required for this course.

### **EDIL 675 - School Program Improvement**

**(3-0-3)** A study of how school leaders guide, facilitate and support curriculum, instruction, and assessment; and how they create a learning environment that promotes student achievement. Included are studies of techniques used for developing and implementing staff development programs. Field hours are required for this course.

### **EDIL 677 - School Law and Diverse Learners**

**(3-0-3)** This course provides a general study of state and federal laws impacting the administration of schools, students and personnel. The course focuses on legal and ethical issues as related to diverse learners. Field hours are required for this course.

### **EDIL 678 - Resource Utilization**

**(3-0-3)** This course focuses on effective use of fiscal, time and technology resources and their impact on the educational process at the school and classroom levels. Strategies for successfully using these resources and their impact on leaders and the organizations they lead will be explored. Field hours are required for this course.

### **EDIL 679 - Linking Schools with the Community and External Resources**

**(3-0-3)** A study of the issues and responsibilities relating to the establishment and administration of a school community relations program at the district and the school building levels with a special focus on the candidate's understanding, responding to, and influencing the larger political, social, economic, legal and cultural contexts. Field hours are required for this course.

### **EDIL 685 - Research Problems of the Instructional Leader**

**(1 to 3 hrs.)** Intensive and comprehensive investigation of problems in educational administration, involving collection and analysis of original data.

Prerequisite: EDF 600 or equivalent experience

### **EDIL 698 - Seminar for Administrator of Pupil Personnel Services**

**(3-0-3)** Analysis of various methods of pupil personnel accounting and records management systems, including computer applications. Responsibilities of school and non-school personnel and agencies, influence of socioeconomic factors and school attendance.

### **EDIL 699A - Applied Project**

**(6 hrs.)**

## **EDMG - Middle Grades Education**

### **EDMG 636 - Middle School Curriculum**

**(3-0-3)** This course will identify the historical development of curriculum in the middle grades and the relationship of the

curriculum to student development. Current curricular issues, organizational patterns and research related to middle grades will be reviewed.

## EDSE - Secondary Education

### EDSE 600 - Selected Topics

**(1 to 3 hrs.)** Workshop for specifically designated task orientation in education. May be repeated in additional subject areas. Maximum of six semester hours may be earned under this course number.

### EDSE 616 - Educational Computing

**(3-0-3)** The development of competencies in the use of microcomputers for instruction, management, information processing, computer assisted instruction and practical high-level programming applications through programming assignments. Hardware and operating systems are covered. Designed primarily for students without previous data processing instruction. Equates with EDEL 616.

### EDSE 633 - Effective Classroom Instruction

**(3-0-3)** Designed to extend student's knowledge of and ability to implement research-based recommended teacher behaviors; foundation of research findings utilized to create facilitating classroom climate and to select appropriate teaching strategies.

### EDSE 634 - Secondary School Curriculum

**(3-0-3)** Course designed to acquaint teacher, supervisor and administrator with nature, development and organization of secondary school curriculum.

### EDSE 670 - Directed Research

**(1 to 3 hrs.)** Supervised research investigation of a professional problem. Student must submit a proposal describing the nature and procedure of the research prior to starting. Format for the proposal will be supplied by the instructor upon request. Copy of final study required for department's permanent file of completed research projects.

### EDSE 671 - Seminar: Problems of the Teacher

**(3-0-3)** Individual research problems and thesis; review current educational research; significant problems in education especially related to role of teacher. Oral reports and group discussion.

### EDSE 676 - Directed Study

**(1 to 3 hrs.)** Supervised investigation of a professional problem. Student must submit a proposal describing the nature and procedure of the study prior to starting. Format for the proposal will be supplied by the instructor upon request. Copy of final study required for department's permanent file of completed projects.

### EDSE 683 - The American Secondary School

**(3-0-3)** Traces development of American secondary school, identifying historical and philosophical influences upon this development; related current practices to their historical bases; examines present-day trends and innovations.

### EDSE 699 - Thesis

**(6 hrs.)**

## EDSL - English Second Language

### EDSL 601 - Linguistics for TESOL

**(3-0-3)** An introductory linguistics course designed for practicing and prospective teachers working with students who are speakers of other languages. It is designed to provide the necessary background in the English language, including structure, meaning, processing, variation, change and acquisition. Students are required to successfully complete field experience hours.

### EDSL 602 - TESOL Theory and Practice

**(3-0-3)** An introduction to the theory and practice of TESOL in different contexts. This course will examine the development of TESOL as a discipline, standards related to TESOL, and recent trends. The course is designed for practicing and prospective teachers working with students who are speakers of other languages. Students are required to successfully complete field experience hours.

### EDSL 603 - Language and Culture

**(3-0-3)** This course is designed for practicing and prospective teachers working with students who are speakers of other languages. The course content focuses on the intimate relationship between language and culture. Students will examine various aspects of this relationship in order to understand themselves and their students to enhance their teaching effectiveness. Students are required to successfully complete field experience hours.

### EDSL 604 - TESOL Methods and Materials

**(3-0-3)** This course offers an overview of basic principles, practices and methods that provide a broad foundation for educating speakers of other languages, including such topics as multiple views of teaching and learning, instructional strategies, bilingual education and state requirements for TESOL. The course is designed to increase teachers' effectiveness in expanding English learners' access to core curriculum, and to enhance their abilities to take leadership in TESOL at the school and district level. Students are required to successfully complete field experience hours.

## EDSP - Special Education

### EDSP 600 - Workshop

**(1 to 3 hrs.)** Workshop for specifically designated task orientation in special education. May be repeated in additional subject areas. Maximum of six semester hours may be earned under this course number.

### EDSP 601 - Survey of Exceptional Children

**(3-0-3)** Study of personality theory and psychopathology, developmental problems of exceptional children and educational characteristics and needs of exceptional children.

### EDSP 602 - Speech and Language Problems

**(3-0-3)** Defines various speech and language problems and their causal factors at the elementary and secondary school levels. Presents methods for analysis, prevention and correction of these problems.

### EDSP 603 - Assessment Methodology for the Handicapped

**(2-2-3)** Testing and assessment procedures utilized with traditional categorical approaches in special education. Principles of norming and scaling included.

**EDSP 604 - Resource Concepts for the Handicapped**

(3-0-3) Fundamental concepts regarding implementing and managing a resource room at both elementary and secondary school levels.

**EDSP 605 - Early Childhood Special Education**

(3-1-3) An overview of early childhood special education services for preschool children with special needs. Emphasis on assessment, intervention planning, progress monitoring, inclusive practices, collaboration and family involvement.

**EDSP 606 - Communication Disorders**

(3-0-3) Procedures and methods for working with speech and language handicapped children in a public or private school setting.

**EDSP 607 - Employability of the Handicapped**

(3-0-3) Career exploration and preparation programming for secondary students who have special learning needs.

**EDSP 616 - Designing, Delivering and Managing Instruction of Students with Moderate and Severe Disabilities I**

(3-0-3) This course provides the foundation of skills needed to design, manage and deliver effective instruction to students with moderate and severe disabilities.

Prerequisite: EDSP 601, EDUC 618 and EDEL 627

**EDSP 617 - Designing, Delivering and Managing Instruction with Moderate and Severe Disabilities II**

(3-0-3) This course will refine the candidate's understanding of the components of appropriate curriculum for students with moderate and severe disabilities. Strategies to manage a program of community referenced instruction, to support the inclusion of students with moderate and severe disabilities in a variety of school and community settings, and to conduct authentic assessment of student learning will be further developed.

Prerequisite: EDSP 612 and EDUC 651

**EDSP 618 - Curriculum for MSD**

(3-0-3) This course will examine the components of appropriate curriculum for students with moderate and severe disabilities. Strategies to manage program of community-referenced instruction, to support the inclusion of students with moderate and severe disabilities in a variety of school and community settings, and to conduct authentic assessment of student learning will be examined. Completion of related field experience is an essential part of this course.

**EDSP 621 - Operation of Special Education Programs**

(3-0-3) The course addresses federal and state regulations, case laws, fiscal management and record keeping.

**EDSP 622 - Instructional Leadership in Special Education**

(3-0-3) This course addresses the following areas in instructional leadership: program development and planning, curriculum development, instruction and management.

**EDSP 623 - Special Education Program Coordination**

(3-0-3) This course addresses the following areas: communication with regular educators, staff supervision, professional development, community/public relations and working with parents.

**EDSP 624 - Practicum**

(6-0-6) Supervised practicum experience.

**EDSP 630 - Universal Design for Learning**

(3-0-3) This course is designed to develop teacher knowledge and skills needed to accommodate a wide range of diverse learners in the regular classroom. Universal Design for Learning (UDL) is based on the most widely replicated finding in educational research: students are highly variable in their response to instruction, and accordingly, one of the most significant changes made by Congress (1997) to the Individuals with Disabilities Education Act (IDEA) is the requirement that students with disabilities must (1) have access to the general curriculum; (2) be involved in the general curriculum; and (3) progress in the general curriculum. In direct response to this legal and philosophical mandate, this course addresses instructional, management and assessment issues pertaining to the successful inclusive class placement of students with disabilities, and to the establishment of the optimal learning environment for all students. The course is appropriate for all teachers whose role includes responsibilities for the education of students with a wide range of diverse needs in school settings.

**EDSP 631 - Advanced Behavior Management**

(3-0-3) This course is designed to develop teacher knowledge and skills needed to successfully manage the behavior of a wide range of diverse learners in the regular classroom. The course addresses management and assessment issues pertaining to the successful inclusive class placement of students with disabilities, behavior change methodologies to increase appropriate behaviors and reduce inappropriate behaviors, and to the establishment of the optimal learning environment for all students.

Prerequisite: EDTL 603

**EDSP 632 - Applied Research in Special Education**

(3-0-3) Principles and methods for designing single subject research with students in educational settings are discussed. Students will be required to design and defend a research proposal.

Prerequisite: EDTL 603 and EDSP 631

**EDSP 641 - Conceptions and Identification of Gifted Children and Youth**

(3-0-3) This course is designed to examine the meaning of giftedness, and methods of identifying school-age individuals who are gifted. Students will investigate theories of giftedness and origins of the concept. The course also will examine issues such as genetics and intelligence, high-IQ, and legal and ethical questions related to the public education of gifted individuals.

**EDSP 642 - Meeting the Individual Needs of Gifted Children and Youth**

(3-0-3) This course is designed to provide students with an understanding of the relationship between gifted and talented students' abilities in the areas of academics, leadership, creativity, the visual and performing arts, and individualized program planning. The course also will address issues such as motivational needs of the population, underrepresented groups such as females and ethnic minorities, student and family counseling, underachievement, and the development of model programs and its evaluation.

**EDSP 643 - Teaching the Gifted Student**

(3-0-3) Course is designed to prepare the classroom teacher in developing strategies and materials appropriate for the gifted and

talented child in the elementary and middle grades (K-9). Students will become familiar with a variety of program approaches, with technology emphasized, as well as materials, and specific instructional strategies for the gifted and talented through field experiences and investigating current literature.

Prerequisite: EDSP 641

#### **EDSP 644 - The Gifted Adolescent and Young Adult**

**(3-0-3)** This course addresses the following topics: the gifted individual in adolescence and adulthood, teaching for career education, teaching for talent education, models of instruction for the older gifted student.

#### **EDSP 645 - Practicum in Gifted Education**

**(3-0-3)** Placement in an approved setting for gifted education on the basis of one week placement for each credit hour unit.

Prerequisites: EDSP 641, EDSP 642, and EDSP 643.

#### **EDSP 668 - Organization of Special Classes**

**(2-2-3)** Relation between special class teacher and students within matrices of larger school community. Techniques of parental counseling and introduction of students into work and social aspects of larger community.

#### **EDSP 670 - Directed Research**

**(1 to 3 hrs.)** Independent research study of a professional problem in special education. Proposal describing methodology and purpose of the study required prior to enrollment in the course. Copy of final study required for department's permanent file of completed research projects.

Prerequisite: 1. EDF 600 2. 15 hours in graduate level courses

#### **EDSP 675 - Practicum in Special Education**

**(3 to 6 hrs.)** Supervised practice in working with specific groups of exceptional children in educational, clinical, or institutional settings using a holistic, multidiscipline approach to therapy and/or prescriptive teaching. (Application made through the director of student teaching.)

#### **EDSP 676 - Directed Study**

**(1 to 3 hrs.)** Directed study, not requiring a research design, of a professional problem in special education. Proposal describing purpose of the study required prior to enrollment in the course. Copy of final report on project required for department's permanent file of completed projects.

Prerequisite: 15 hours in graduate level courses

## **EDTC - Educational Technology**

#### **EDTC 611 - Introduction to Research and Grant Writing**

**(3-0-3)** This class is designed to provide public school teachers and other professional staff with the knowledge and skills they need to use action research strategies to seek solutions to instructional problems and to write grant proposals to help fund these and other school projects.

#### **EDTC 621 - Technology for the 21st Century Teacher**

**(3-0-3)** This course is designed for students to learn more about how computers can be integrated effectively into the classroom. The curriculum for this course is based on the International Society in Education (ISTE) recommended foundations in technology for all teachers that have been adopted by the National Council for Accreditation of Teacher Education (NCATE).

#### **EDTC 625 - Assistive Technology**

**(3-0-3)** This course is designed to introduce the school professional to the use of assistive technologies in schools and how to better understand assistive technology used for students with disabilities. This course will also research the available assistive technologies and their appropriate integration into the classroom.

#### **EDTC 628 - Technology, Education and Culture**

**(3-0-3)** This foundational class is a humanities-based study designed to provide students with a larger intellectual context for understanding, evaluating and making effective use of new educational technologies. It explores historic technologies that had a major impact upon western education and culture and the current and potential impact of recent digital technologies.

#### **EDTC 631 - Designing the Learning Environment**

**(3-0-3)** This course is focused on helping teachers explore the environmental issues within the physical classroom and how they can design their classroom to meet the learning needs of students.

#### **EDTC 644 - Multimedia Design for the Classroom**

**(3-0-3)** Introduction to the design, development, utilization, management and evaluation of multimedia technologies to enhance classroom teaching and learning with an emphasis on audio editing, digital photography, digital video and slide presentation software. Students shall produce classroom instructional multimedia products and evaluate their impact within the classroom.

#### **EDTC 645 - Advanced Multimedia Design**

**(3-0-3)** This course is focused on applying the principles of instructional design and multimedia development to create multimedia projects designed for learning.

Prerequisite: EDUC 644

#### **EDTC 646 - Mobile Learning for Education**

**(3-0-3)** Introduction to the design, development, and integration of mobile apps into the classroom to enhance 21st century learning through emerging technologies. Course covers principles of coding and design for cross-platform applications along with best practices for integrating apps into the curriculum and evaluating their potential impact on achievement. Students shall produce classroom-ready apps using a variety of tools along with applicable lesson plans.

#### **EDTC 650 - Social Media in Education**

**(3-0-3)** Today's personal, social, academic, political, and economic worlds are all affected by digital media and networked public domains. This course is organized around the broad question of what educators should know about the way digital media are reshaping society in and out of classrooms. This course introduces students to both the literature about and direct experience of these new literacies: research foundations and practical methods to control attention, attitudes and tools necessary for critical consumption of information, best practices of individual digital participation and collective participatory culture, the use of collaborative media and methodologies, and the application of network know-how to life online. Skills and knowledge gained from the course will enable students to make decisions about appropriate content and activities using social media as educators and instructional designers in P-12, higher education and corporate environments as well as other professional settings.

**EDTC 653 - Needs Analysis and Program Evaluation**

(3-0-3) This course covers multiple approaches and methodologies for needs and analysis as well as writing analysis reports and program evaluations.

**EDTC 680 - Introduction to Instructional Design and Technology**

(3-0-3) This course is focused on defining the field of instructional design and educational technology. Trends, issues and directions of the field will be explored within this course, with students conducting discovery learning about particular instructional design models.

**EDTC 681 - Individualized Learning Systems**

(3-0-3) Introduction to basic individualized learning systems; how they are designed, produced and utilized. Student shall design and produce examples of learning activity packets and programmed instructional materials. Technological applications for individualizing learning such as programmers and portable computers will also be covered.

**EDTC 682 - Advanced Instructional Design**

(3-0-3) This course explores instructional design models focused on social interaction, learner centering, collaboration and facilitation. Additionally, participants will investigate modern instructional design models for 21st century education and training.

Prerequisite: EDUC 680

**EDTC 683 - Creativity in 21st Century Education**

(3-0-3) This course will examine theory and research on creativity and how it could be applied to education. A variety of research perspectives will be reviewed including Maslow, Rogers, Torrance, Csikszentmihalyi, Sternberg, and others. The emphasis will be on the theoretical perspectives and procedures to advance the understanding of creativity and how it could enhance educational practice.

**EDTC 684 - Blended Learning**

(3-0-3) This course focuses on the application of theory and research to the design and implementation of blended learning experiences for educators and instructional designers in P-12, higher education and corporate environments as well as other professional settings. Skills and knowledge gained from the course will enable students to make decisions about appropriate content and activities for online and face-to-face environments in a curriculum with the aim of achieving synergy between the environments.

Prerequisite: EDTC 685

**EDTC 685 - Principles of Distance Education Delivery**

(3-0-3) This course is designed to investigate the principles guiding distance education and its effective implementation. Several modes of distance learning and the use of multiple delivery methods will be explored. This course will include theory of practice, the examination of current practice, methods to analyze current practice, and current issues that surround effective distance education.

**EDTC 686A - Designing the Online Learning Environment**

(3-0-3) Participants shall understand basic concepts of online course instructional design, development, implementation and evaluation using a variety of venues including, but not limited to, social networks, Learning Management System (LMS), Web 2.0

technologies and virtual world simulations. Participants will be required to have a course syllabus for online course development.

**EDTC 686B - Designing the Online Learning Environment Practicum**

(3-0-3) This course provides students an opportunity to understand the design of online instruction through actual delivery of online instruction. Students will implement instruction over a semester period in an online course or series of online instructional modules as appropriate for their instructional area.

Prerequisite: EDTC 686A

**EDTC 688 - Educational Gaming and Simulation**

(3-0-3) Introduction to the design, production, utilization and evaluation of educational games and simulations. Students shall produce an educational game and educational simulation of his or her own design which will be evaluated and revised by tryout with selected target groups.

**EDTC 689 - Designing Instructional Modules for Games and Simulations**

(3-0-3) This course is focused on applying principles of instructional design to the development of game and simulation modules. Participants will design instructional modules for commercial off-the-shelf games with scenario editors.

Prerequisite: EDUC 688

**EDTL - Education (Teacher Leader)****EDTL 601 - Leadership and Decision Making**

(3-0-3) This course provides foundational experience for all Teacher Leader graduate programs. The course explores the various forms of instructional leadership, the impact of leadership on student achievement, and develops knowledge and skills related to professionalism, organizational analysis, critical reflection, and planning. Central to this course is the analysis of multiple data sources to plan and implement strategies for improved student achievement.

**EDTL 602 - Education in Context**

(3-0-3) This course prepares teachers for leadership roles through 1) an examination of both classic and contemporary theories of education; 2) an exploration of diverse pedagogical models and theories; and 3) an analysis of the decision-making assumptions and processes that impact school practices. It explores both professional literature and practicing teachers' perceptions about what schools and their leaders actually do and engages them in debates about what schools and their leaders should do. Students will analyze various perspectives, assumptions, strengths, and weaknesses of these theories and models. Students will research the connection between theory and practice in actual school settings.

**EDTL 603 - Research and Teacher Leader**

(3-0-3) Students will explore the logic, processes and methods of educational research. This exploration will prepare students to understand, evaluate and apply appropriate research methods to answer specific questions in educational settings (classrooms, schools, districts). Students will collaborate with others in their schools to develop questions and appropriate methodology for research, data collection and begin data analysis. (Note: Students anticipating doing research in their own classroom should take this course either in the fall or spring semesters.)

### **EDTL 604 - Collaboration for Teachers**

**(3-0-3)** The course is primarily designed to develop teacher knowledge and skills needed to accommodate a wide range of diverse learners in the regular classroom. To this end, the areas of teacher collaboration, professional interactive teaming and teacher consultation will be emphasized. In addition to the inter-professional content, the course also will address instructional and assessment issues pertaining to the inclusive class placement of students with disabilities. The course is appropriate for all teachers whose role includes responsibilities for the education of students with diverse needs in school settings.

Prerequisite: EDTL 601

### **EDTL 605 - Developmental Analysis of Learning**

**(3-0-3)** Central to this course is the application of principles of human growth and development, research findings and theories of human behavior to explore differences across learners in P-12 classrooms. This course includes analysis of educational policy, investigation of learner differences, and introduces the concepts of differentiated instruction and analysis of assessment practices with regard to various domains and contexts of development, including cognitive, emotional, moral, language, identity, gender, peers, parenting, family context and lifestyle.

### **EDTL 606 - Curriculum and Instructional Design**

**(3-0-3)** This course will provide an overview of curriculum models, their historical and philosophical foundations, and their inherent practices. Candidates will further examine practices that allow for differentiated instruction in a variety of learning environments. The culminating performance will involve the development, implementation and evaluation of a candidate-designed content-specific curricular framework.

Prerequisite: EDTL 601

### **EDTL 690 - Teacher Leader Capstone**

**(0 hrs.)** This course is designed to track candidates' completion of the Teacher Leader capstone project. Additionally, candidates will have a contact to whom they may ask questions and seek guidance for their capstone project.

## **EDUC - Education Professional**

### **EDUC 601 - President's Leadership Academy I**

**(3-0-3)** The internship provides an opportunity to gain a broader perspective and hands-on experience in a setting outside of the regular responsibilities of the academy member. A positive internship experience is one where the intern learns by doing, acquires first-hand knowledge of the assigned area, experiences professional activities and builds professional relationships.

### **EDUC 602 - President's Leadership Academy II**

**(3-0-3)** The internship provides an opportunity to gain a broader perspective and hands-on experience in a setting outside of the regular responsibilities of the academy member. A positive internship experience is one where the intern learns by doing, acquires first-hand knowledge of the assigned area, experiences professional activities and builds professional relationships.

### **EDUC 603 - National Board Certification Preparation**

**(3-0-3)** This course can be repeated a total of three times for credit. This course constitutes a clinic for mentoring graduate students in developing the initial three entries for the National Board Certification (NBC) portfolio in any of the 25 NBC certification areas.

### **EDUC 604 - National Board Certification Preparation II**

**(3-0-3)** This course mentors candidates for National Board Certification in developing the leadership/documentated accomplishment entry for their portfolio. This focus is on commitment to student learning, through work with students' families and community, and through development as a learner and as a collaborator and/or leader.

### **EDUC 608 - Morehead Writing Project Fall Institute**

**(3-0-3)** An invitational, intensive institute for practicing educators and administrators that focuses on their development and training as writers and writing teachers.

### **EDUC 609 - Morehead Writing Project Spring Institute**

**(3-0-3)** An invitational, intensive institute for practicing educators and administrators that focuses on their development and training as writers and writing teachers.

### **EDUC 618 - Teaching Mathematics for Diverse Learners**

**(3-0-3)** This course will integrate the development of mathematical concepts and skills with the differentiation of learning needs of students. An investigation of mathematical methodologies to address the learning needs of students will be explored.

### **EDUC 629 - Reading Programs: The Role of the Administrator**

**(3-0-3)** Overview of reading instruction in the public school program. Student will examine materials used for the teaching of reading and become familiar with organizational plans used in public school reading programs. Part of the course will deal with evaluation of reading programs.

### **EDUC 635 - Teaching Critical Thinking and Decision Making**

**(3-0-3)** The teaching and learning of critical thinking and decision making skills for the classroom teacher and administrator. Emphasis on activities to promote defining problems and issues; accessing, organizing and drawing conclusions from information; originating creative solution alternatives; making rational and objective decisions; and using effective decision making in planning for and taking action.

### **EDUC 650 - Practicum I**

**(6-0-6)** Teaching experiences in a public school setting supervised by University personnel and a selected public school supervisor or mentor. In addition, students will complete a variety of learning activities to document proficiency in relation to each of the Kentucky Teacher Standards.

### **EDUC 651 - Practicum II**

**(6-0-6)** Teaching in the public schools with supervision by University faculty and selected public school supervisors or mentors. In addition, students will complete a variety of learning activities to document proficiency in relation to each of the Kentucky Teacher Standards.

Prerequisite: EDUC 650

### **EDUC 652 - Applied Classroom Practice Modules I**

**(2-0-2)** Development of "Best Practices," knowledge and skills required for entry level teachers so that they are prepared to implement effective teaching practices and products to promote learning for all students. Emphasis will be on planning, implementing and evaluating appropriate classroom teaching



practices. Four modules are to be successfully completed to fulfill the requirements of this course.

### **EDUC 653 - Applied Classroom Practice Modules II**

(1-0-1) Development of "Best Practices," knowledge and skills required for entry level teachers so that they are prepared to implement effective teaching practices and products to promote learning for all students. Emphasis will be on planning, implementing and evaluating appropriate classroom teaching practices. Two modules are to be successfully completed to fulfill the requirements of this course.

### **EDUC 677 - Applied Research for Classroom Teachers I**

(3-0-3) Individual research problems and writing for publication; review of current educational research; investigation of qualitative and quantitative classroom-based research methods; formal writing and presentations; classroom discussion; field-based research activities.

Prerequisite: EDF 600

### **EDUC 678 - Applied Research for Classroom Teachers II**

(3-0-3) Individual research problems and writing for publication; implementation of classroom-based research project proposed in EDUC 677; formal writing and presentations; classroom discussion.

Prerequisite: EDUC 677

### **EDUC 682 - The At-Risk Student**

(3-0-3) In-depth study of at-risk students and factors that predict school failure. Course includes a study of educational practices that are effective in preventing school failure.

### **EDUC 684 - Producing Audiovisual Materials**

(3-0-3) Production of various types of audiovisual materials with emphasis upon still photography (slides-prints), motion picture photography, audio production and classroom television production.

### **EDUC 689 - Special Class**

(1 to 4 hrs.)

### **EDUC 690 - Supervision of Student Teaching and Field Experiences**

(3-0-3) Planned orientation for any teacher who might work with a field experience student at the undergraduate level or who might supervise a student teacher.

### **EDUC 693 - Teaching the Arts in Education**

(3-0-3) Skills and knowledge addressed in creative writing, dance, drama, music and visual arts for P-12 classroom. Audience participation, classroom connections, techniques of integration and methodology of the arts taught according to the Kentucky Core Content for the Arts and Humanities.

## **ENG - English**

### **ENG 600 - Studies in English for Teachers**

(3-0-3) Designed to meet National Council of Teachers of English and Kentucky Department of Education guidelines to prepare candidates for the clinical semester in the areas of disposition, content knowledge, pedagogy, curriculum and assessment. The course may include up to 15 clock hours of Level III field experiences.

### **ENG 601 - Semantics**

(3-0-3) A linguistic approach to the study of meaning in language.

### **ENG 603 - Bibliography**

(3-0-3) An introduction to graduate research in American and English literature.

### **ENG 604 - Linguistics: Grammar**

(3-0-3) Principles of grammar from current theoretical perspectives.

### **ENG 608 - Morehead Writing Project Summer Institute**

(3-0-3) An invitational, intensive institute for practicing educators and administrators that focuses on their development and training as writers and writing teachers. Includes a yearlong follow-up obligation.

### **ENG 609 - Morehead Writing Project Summer Institute**

(3-0-3) An invitational, intensive institute for practicing educators and administrators that focuses on their development and training as writers and writing teachers. Includes a yearlong follow-up obligation.

### **ENG 612 - Theories of Teaching Writing**

(3-0-3) An in-depth study of composition theory and research with a heavy emphasis on the analysis and critique of important sources in the field of composition and rhetoric.

### **ENG 619 - American Renaissance**

(3-0-3) Advanced study of representative writers, texts, genres, and themes of the American Renaissance.

### **ENG 620 - American Poetry**

(3-0-3) Advanced study of representative American poetry.

### **ENG 622 - American Novels**

(3-0-3) Advanced study of representative American novels.

### **ENG 624 - American Literature in Perspective**

(3-0-3) Advanced thematic study of American literature.

### **ENG 628 - Literary Theory**

(3-0-3) A survey of literary theory from the twentieth century to the present.

### **ENG 630 - Topics in British Literature**

(3-0-3) The study of themes, movements or modes in British Literature that span multiple literary periods; or of clusters of authors. May be taken only once for credit.

### **ENG 632 - The British Novel**

(3-0-3) Advanced study of representative British novels and the development of the genre from its beginnings to the present.

### **ENG 633 - Old English Literature**

(3-0-3) Old English culture, epic and lyric poetry, and prose will be studied in translation. Selected passages from Old English literature will be read in the original language.

### **ENG 634 - Chaucer**

(3-0-3) Intensive study of Chaucer's early poetry, Troilus and Criseyde and The Canterbury Tales (in the original Middle English). Fulfills the major author requirement for the Master of Arts in English.

### **ENG 635 - Topics in Shakespeare**

(3-0-3) Intensive study of Shakespeare's works.

**ENG 636 - Major American Author**

(3-0-3) Intensive study of a significant American author (about whom there exist reference resources and a substantial amount of critical commentary). Fulfills the major author requirement for the Master of Arts in English.

**ENG 637 - Major British Author**

(3-0-3) Intensive study of a significant British author (about whom there exist reference resources and a substantial amount of critical commentary) excluding Chaucer, Shakespeare and Milton. Fulfills the major author requirement for the Master of Arts in English.

**ENG 638 - Milton**

(3-0-3) Intensive study of Milton's poetry and major prose. Fulfills the major author requirement for the Master of Arts in English.

**ENG 639 - African-American Literature**

(3-0-3) Advanced study of representative writers, texts, movements and themes in African-American literature and culture.

**ENG 645 - Renaissance Literature**

(3-0-3) Advanced study of selected major writers of the English Renaissance with an emphasis on Spenser, Shakespeare (excluding drama), Donne and Jonson.

**ENG 648 - Romantic Period**

(3-0-3) Advanced study of representative British writers, texts, literary forms and themes, 1789-1832.

**ENG 650 - Victorian Period**

(3-0-3) Advanced study of representative British writers, texts, literary forms and themes, 1832-1901.

**ENG 652 - Twentieth Century British Literature**

(3-0-3) Advanced study of representative British writers, texts, literary movements literary forms, and themes, 1901 to the present.

**ENG 653 - Modern Drama**

(3-0-3) Advanced study of representative dramas and the development of the genre from the advent of Realism to the present.

**ENG 661 - Studies in American Literary Periods**

(3-0-3) Advanced study of representative writers, texts, genres and themes focusing on an American literary period.

**ENG 663 - American Fiction**

(3-0-3) Advanced study of representative American fiction from its beginnings to the present.

**ENG 666 - Contemporary Literature**

(3-0-3) Advanced study of contemporary literature in English or English translation.

**ENG 670 - Film Literature**

(3-0-3) Advanced study of the relationship between literature and film.

**ENG 676 - Directed Studies**

(1 to 3 hrs.) Individual study in any area in English under the direction of the graduate English faculty. Requirements: a written proposal approved in advance of starting the work; a copy of the final report for the departmental files. May be taken only once to count toward degree requirements.

**ENG 680 - English Syntax**

(3-0-3) Stresses syntactical studies primarily in the English language, and specifically in the use of American English structures.

**ENG 683 - Advanced Poetry Writing**

(3-0-3) Advanced instruction in poetry writing: organic and traditional structures; tone and persona; the sentence and the line; the lyric, dramatic, narrative, and meditative stances; and other concerns of poetics. An intensive writing workshop format with emphasis on poetry in the contemporary idiom.

**ENG 684 - Advanced Fiction Writing**

(3-0-3) Advanced instruction in fiction writing: plot, conflict, characterization, point of view, atmosphere and other concerns of contemporary fiction. An intensive writing workshop format with emphasis on contemporary fiction and the audience and market for literary fiction.

**ENG 685 - Psycholinguistics**

(3-0-3) Both theoretical and practical applications of all psychological aspects of language.

**ENG 690 - Technical Writing**

(3-0-3) Principles of analysis, process and definition; program, recommendation and research reports; proposals and memoranda; visual aids; transitions, mechanics of clear and precise statement.

**ENG 697 - Sociolinguistics**

(3-0-3) Theory and practice involved in individual and institutional language patterning.

**ENG 699 - Thesis**

(6 hrs.) Thesis requirement consists of a total of six semester hours to be distributed according to the particular program followed by the student.

**FIN - Finance**

**FIN 600 - Survey of Finance**

(3-0-3) Covers the topics required to understand the concepts basic to the financial management of the firm: financial analysis and planning, working capital management, capital budgeting and international financial management. This course does not satisfy the requirements of the 30-hour MBA program.

**FIN 602 - Survey of Financial Analysis**

(3-0-3) Using statistics and finance in management decisions. Understanding of descriptive statistics, probability theory, and statistical inference and forecasting. Understanding financial statement analysis, interest rates, financial markets and institutions, time value of money, investments, and how finance affects managerial decision making.

**FIN 620 - Financial Markets**

(3-0-3) Institutional and business factors that influence demand and supply of funds, effect on price movements, detailed analysis of money, and capital markets.

**FIN 622 - Financial Services Marketing**

(3-0-3) Examines the marketing of financial services from a managerial perspective. Includes nature of services, managing the service encounter, service quality, and the marketing and management of financial services. Equates with MKT 622.

**FIN 625 - Advanced Bank Management**

(3-0-3) Banking from a managerial perspective. Includes topics on regulation, legislation, flow of funds, asset management, liability management, mergers and acquisition, and international banking.

**FIN 628 - Asset and Liability Management**

(3-0-3) An in-depth look at how banks and other financial institutions manage their investment in assets and their financing of operations.

**FIN 660 - Financial Management**

(3-0-3) This course considers an analysis of the problems and policies related to the allocation, acquisition, and control of funds within the individual firm. Topics covered are management of current assets and fixed assets, capital budgeting, sources of funds, financial forecasting and statement analysis, refinancing, financial growths and development, business failure, and government regulation. Cases are used to demonstrate financial theory and to develop analytical ability.

**FIN 670 - Directed Research**

(1 to 3 hrs.) Provides an opportunity and challenge for directed study of finance problems. Student must present a written statement of an approved research problem prior to registration.

**FIN 672 - Investment Management**

(3-0-3) Focuses on current practice and recent theoretical developments. Deals with characteristics of individual securities and portfolios; criteria for evaluation and measurement of performance; impact of governmental regulation. Evaluation of current theory, its significance for financial management decision making, and consideration of relevant empirical evidence are covered.

**FIN 673 - Chartered Financial Analyst Level I Review Course**

(1-0-1) Covers the topics required to pass the Level I Chartered Financial Analyst Exam. Topics include: ethics and standards, quantitative methods, economics, financial markets, financial analysis, valuation, securities and portfolio management.

**FIN 674 - Chartered Financial Analyst Level II Review Course**

(1-0-1) The course prepares students for the Level II Chartered Financial Analyst Exam and includes the following topics: ethical and professional standards, economics, equity securities valuation, debt securities valuation, alternative investments, quantitative methods, markets and instruments, financial statement analysis, corporate finance and portfolio management.

**FIN 675 - Chartered Financial Analysis Level III Review Course**

(1-0-1) The course prepares students for the Level III Chartered Financial Analyst Exam and includes the following topics: ethical and professional standards, economics, equity securities valuation, debt securities valuation, alternative investments and portfolio management.

**FNA - Fine Arts****FNA 660 - Comparative Arts**

(3-0-3) A study of music, literature and the visual arts in relation to their social, religious and historical backgrounds.

**FRN - French****FRN 605 - Linguists and Language Teaching**

(3-0-3) The application of current linguistic theories to the methodology of teaching French and Spanish; micro-teaching practice and field experiences in the four skills, grammar and culture. Equates with SPA 605.

**FRN 676 - Directed Studies**

(1 to 3 hrs.) This course is a directed study in French. Each request for the course will be considered on its own merits in relation to the special needs of the student. May be taken three times for credit.

**FRN 699 - Special Class**

(1 to 3 hrs.) These courses are specialized offerings in French. The purpose of these courses is to enhance the existing program in French. May be taken three times for credit.

**GEO - Geography****GEO 600 - Political Geography**

(3-0-3) A systematic study of the interrelationships of geography and international politics; basic factors in evaluating strength of nations; application of these understandings to world political patterns.

**GEO 601 - Special Problems**

(3-0-3) Supervised comprehensive investigation of selected problems in the field of geography (may be repeated for a maximum of six hours).

**GEO 602 - Geographic Factors and Concepts**

(3-0-3) A general survey of the field of geography in its various branches. Designed for beginning teachers and other students lacking an adequate background for advanced work in geography.

**GEO 605 - Conservation of Natural Resources**

(3-0-3) Natural resources basic to human welfare, emphasis on lands, water, minerals, forests and wildlife, including their interrelationships. Field trips are required.

**GEO 615 - Urban Geography**

(3-0-3) Origin and development of cities, urban ecology, central place theory, functional classifications, and a consideration of site, situation, and land utilization of selected cities.

**GEO 650 - Social Thought and Theory**

(3-0-3) An intensive study of certain selected pioneer social theorists such as Weber, Durkheim, Marx and contemporary theories. Equates with ISS/HST/SOC 650.

Prerequisite: SOC 405

**GEO 676 - Directed Study**

(1 to 6 hrs.) Self-directed independent study of a special problem or topic in geography. The proposed topic must be submitted in writing and be approved by the department chair and a faculty member who will supervise the study.

**GEO 680 - Geography for Teachers**

(3-0-3) A study of the basic concepts, materials and techniques for the teaching of geography.

### **GEO 699 - Special Class**

**(1 to 4 hrs.)** Credit toward degree program must be approved by student's advisor.

## **GOVT - Government**

### **GOVT 600 - Seminar: State and Local Government**

**(3-0-3)** Intensive and detailed study of state and local government problems of metropolitan areas; interstate and local cooperation; compacts and regional planning.

### **GOVT 605 - Environmental Law and Policy**

**(3-0-3)** A study of the political and legal aspects of major environmental policies including the impact of energy policies on environmental health and safety.

### **GOVT 610 - American Politics**

**(3-0-3)** A graduate level survey of the Constitution, institutions and politics of American government through an examination of major works across the political science literature.

### **GOVT 612 - American Political Development**

**(3-0-3)** A graduate level course in the study of the country's political evolution; in particular, the effect of ideas and culture broadly construed on the development of the country's political institutions and its manner of operation.

### **GOVT 620 - International Relations**

**(3-0-3)** A graduate level survey of the international relations field through an examination of major works across the political science literature. Students will undergo a study of international relations theory and practice; concepts of power and its application; machinery of foreign policy making and implementation; world politics and law; and the world community.

### **GOVT 630 - Comparative Politics**

**(3-0-3)** This course provides an introduction to the discipline of comparative politics - its dominant questions, theories and research methods - by way of an intensive study of the countries and the politics of a particular geographic region.

### **GOVT 640 - Political Theory**

**(3-0-3)** This course is a survey of the fundamental questions of political life through an examination of major works across the tradition of political philosophy: ancient, medieval, modern and contemporary.

### **GOVT 650 - Public Law**

**(3-0-3)** This survey course will use major works in the political science and public law literature to study public law with particular attention to the creation, interpretation and implementation of constitutional and administrative law by government institutions.

### **GOVT 676 - Directed Study**

**(1 to 3 hrs.)** Original graduate research project or readings in a particular subject area. Classes arranged for studying a particular problem.

### **GOVT 680 - Government for Teachers**

**(3-0-3)** Designed for public school teachers as a "refresher" course in the study of international, national, state, and local governments. Citizenship education and Kentucky government may be included as part of the course.

### **GOVT 699 - Thesis**

**(6 hrs.)** Students will develop, execute and defend an approved thesis project under the supervision of a faculty committee.

## **HLTH - Health**

### **HLTH 603 - Administration of School Health**

**(3-0-3)** An intensive study of the total program of school health: philosophy, administration, coordination, management and the future.

### **HLTH 608 - General School Safety**

**(3-0-3)** An exploration of principles and practices in establishing and maintaining a healthful and safe school environment. This course gives a special emphasis to current issues that affect school safety and the relationship between safety and health.

### **HLTH 614 - Principles of Epidemiology**

**(3-0-3)** A study of the factors and causes of disease in a population for the purpose of its control and prevention. The course will introduce students to the discipline of epidemiology and its application to public health issues with regard to both infectious and noninfectious disease processes.

### **HLTH 615 - Education in Drug Abuse Prevention/Intervention**

**(3-0-3)** (Designed for teachers, counselors, school nurses, administrators, and other school personnel.) Current information on research-based curricula, identifying signs of drug abuse, high-risk youth assessment in drug and alcohol education, teaching life skills, intervention, treatment and support services.

### **HLTH 618 - Use and Abuse of Drugs**

**(3-0-3)** A survey of the field of psychoactive drugs with emphasis upon behavioral effects of these agents. Prevention and intervention options are also explored.

### **HLTH 650 - Graduate Seminar**

**(3-0-3)** A highly-concentrated study of current issues in health: individual research, student presentations, visiting lecturers.

### **HLTH 680 - Workshop**

**(1 to 3 hrs.)** The workshop format is an interactive learning experience designed to build/improve specific skills in the area of health. A maximum of six semester hours may be earned under this course number.

### **HLTH 689 - Special Problems in Health**

**(1 to 3 hrs.)** Intensive study of approved, specific health problems, under direction of instructor.

## **HPS-Health, Physical Education and Sport Science**

### **HPS 600 - Research Methods in Health, Physical Education and Sport Management**

**(3-0-3)** Skills and knowledge in the selection, delineation and statement of a research problem, techniques of bibliography building, methods or organization, recognized methods of investigation, application of statistical methods to research problems and style standards for research writing in the health, physical education, exercise science and sport management fields.

**HPS 601 - Interpretation of Data**

(3-0-3) Introduction to the statistical application to research in health, physical education, and recreation: data organization, selection of samples, techniques of analysis.

**HPS 610 - Readings and Graduate Seminar**

(3-0-3) The course is designed to develop a broad philosophical framework for health and/or physical education and sport management professionals through the examination of a variety of professional materials for their relevance to such a framework. The course requires reading, discussing and interacting in relation to issues of contemporary and future concerns by conceptualizing health, physical education and sport processes in the realization of individual, societal and professional goals.

**HSM - Health Systems Management****HSM 611 - Health Economics**

(3-0-3) Analyze issues and problems in the provision, funding and utilization of healthcare services from an economic perspective; examine the effectiveness of the institutional arrangements for the financing and delivery of healthcare services and explore possible alternative arrangements for a more efficient healthcare delivery system in the U.S.

**HSM 630 - Healthcare Public Policy**

(3-0-3) This course will allow students to gain more comprehensive understanding of the concepts and principles of public policy, with special focus on American institutions and political processes that are responsible for the formation and execution of public policy, especially in healthcare. Upon completion of this course, students will be able to more fully understand public policy and its relationship to public administration and the American political system.

**HSM 650 - Health IT and Clinical Transformation**

(3-0-3) An introduction to implementation of electronic health records (EHRs) and health information exchange. The course recognizes that management of EHRs is increasingly important as a result of national healthcare policy, regulatory pressures, the need for information "on demand" at the point of care, and the focus on integration and "meaningful use" of electronic health information. The course will focus heavily on clinical transformation, which is the most difficult and critical component of achieving improved clinical outcomes and efficiencies from EHRs.

**HSM 655 - Management of Healthcare Information Systems**

(3-0-3) This course explores the role of information technology in current healthcare management. Topics include: healthcare data quality; healthcare information systems (HIS) regulations, laws and alignment and governance of HIS; security of HIS; IT HIS; emerging technology; selection of information systems; management of information; electronic medical records, the Internet's impact on healthcare organization's business processes; and other current events.

**HSM 660 - Community Clinical Placements**

(3-0-3) Students are matched with a community partner based on experience, career goals and agency needs. Students work with the program and the partner sites to develop a training contract that details clinical, leadership, scholarly and administrative activities, which are determined based on learning outcome goals and

agency initiatives. Primary responsibilities include clinical service with individuals, families, and groups, assessment/testing, clinical consultation, student supervision, and administrative duties. In addition, students may participate in program design and development, grant writing, training, or scholarly projects that are intended to improve services within the community agency.

**HSM 670 - Directed Study**

(3-0-3) This course provides an opportunity and venue for independent, supervised research and investigation in health systems management and/or health information technology. Students must submit an approval form which outlines a proposed research plan prior to registration.

**HSM 680 - Healthcare Leadership and Ethics**

(3-0-3) A broad orientation to the health services system, including structure, function, and management issues. Includes discussion of small business and human resources as they apply to medical practice management. Issues of leadership and ethics related to the healthcare industry and organizations participating in the industry are emphasized throughout the course.

**HSM 684 - Healthcare Financial Management**

(3-0-3) An in-depth study of the unique application of accounting and finance methods to the healthcare industry. Topics include a focus on the planning and acquisition of financial resources. The course provides an overview of methods for the allocation and management of financial resources and includes consideration of cost analysis, internal controls and reimbursement issues in the healthcare industry.

**HST - History****HST 600 - Special Class**

(1 to 3 hrs.) Credit in pursuit of degree programs must be approved by student's advisor and chair.

**HST 610 - American Biography**

(3-0-3) The characteristics of and services rendered by men and women who have played leading roles in the history of the nation.

**HST 650 - Social Thought and Theory**

(3-0-3) An intensive study of certain selected pioneer social theorists such as Weber, Durkheim, Marx and contemporary theories. Equates with ISS/GEO/SOC 650.

Prerequisite: SOC 405

**HST 676 - Directed Study**

(1 to 3 hrs.) Individually planned study on a particular topic. Program to be approved by department chair.

**HST 677 - European History: Directed Readings**

(1 to 3 hrs.)

**HST 678 - Non-Western History: Directed Readings**

(1 to 3 hrs.)

**HST 680 - History for Teachers**

(3-0-3) Designed as a "refresher" course, interpretations of history and method for the public school social studies teacher.

## **HWHP-Health, Wellness and Human Performance**

### **HWHP 602 - Wellness Promotion**

**(3-0-3)** A philosophical consideration of all dimensions of wellness promotion: physical, psychological, social, spiritual, cultural and environmental.

### **HWHP 609 - Applied Exercise Physiology**

**(3-0-3)** The areas of exercise testing, evaluation and planning are explored from a practical approach. Students will become familiar with health appraisal and exercise testing in the areas of cardiovascular fitness, flexibility, muscular strength and endurance, and body composition, as well as in exercise programming.

Prerequisite: PHED 432

### **HWHP 612 - Managing Worksite Wellness**

**(3-0-3)** Study of the principles that guide management of a successful worksite wellness program. Students will be able to assess needs of the target population, identify program strategies, maintain a safe facility, and design evaluations according to personnel and management principles.

### **HWHP 651 - Advanced Exercise Prescription**

**(3-0-3)** This course will provide the student with advanced guidelines and experience related primarily to cardiac and pulmonary rehabilitation, but also including metabolic, orthopedic, immunological, inflammatory and neuromuscular disease populations.

Prerequisite: PHED 432

### **HWHP 670 - Directed Research**

**(3-0-3)** Supervised research investigation of a professional problem. Proposal must be approved prior to enrollment. Copy of study required for department's permanent file of completed research projects.

### **HWHP 699 - Thesis**

**(6 hrs.)** Research and writing of an approved thesis. Maximum of six semester hours allowed.

## **IECE - Interdisciplinary Early Childhood Education**

### **IECE 601 - Early Intervention**

**(3-0-3)** Disabilities and delays experienced by at-risk infants and toddlers will be discussed, as well as early intervention approaches to be used with young children and their families.

### **IECE 615 - Families and Young Children**

**(3-1-3)** Methods for early childhood educators working with diverse families of young children, both with and without disabilities.

### **IECE 631 - Guidance for Young Children**

**(3-1-3)** This course provides an overview of social-emotional development and positive strategies for guiding the behavior of young children ages 0-5. Candidates will learn both preventative and corrective discipline measures.

### **IECE 650 - Seminar: Early Childhood Education**

**(3-0-3)** This seminar is taken in conjunction with the teacher-in-training's first semester in a university supervised practicum. It

requires the teacher-in-training to reflect on, refine and strengthen skills in assessment, instruction, and classroom management.

Prerequisite: EDEC 637, EDSP 605, & IECE 631

Corequisite: EDUC 650

### **IECE 651 - Seminar: Infant and Toddler**

**(3-0-3)** This continuing seminar is taken in conjunction with a university supervised practicum. It requires the teacher-in-training to reflect on, refine and strengthen skills in assessment, instruction and classroom management.

Prerequisite: EDEC 627, IECE 601, and IECE 631

Corequisite: EDUC 651

### **IECE 654 - Administration in Early Childhood Programs**

**(3-1-3)** This course prepares students for administration of and supervision in early childhood education programs. Consideration is given to program evaluation, personnel training and supervision, appropriate curriculum materials, family involvement and education, program management, and funding.

### **IECE 655 - Advanced Early Childhood Assessment**

**(3-1-3)** In-depth study of child assessment with emphasis on screening, eligibility determination and instructional program planning. Informal and formal assessment techniques are included with focus on authentic and functional assessments.

Prerequisite: EDF 610

### **IECE 657 - Interdisciplinary Early Childhood Education Professional Assessment**

**(3-0-3)** During this course, graduate students who are seeking a teaching certificate in the area of interdisciplinary early childhood education will complete a portfolio and assessment requirements.

### **IECE 658 - Interdisciplinary Early Childhood Education Continued Professional Assessment**

**(3-0-3)** During this course, graduate students who are seeking teaching certification in the area of interdisciplinary early childhood education will complete a portfolio and other assessment requirements

## **IET-Industrial and Engineering Technology**

### **IET 600 - Impact of Technology**

**(3-0-3)** A study of the impact of technology on individuals, society, and the environment. The topics will include trends and development of technology, technology systems, risk assessment, technological assessment and innovation, and managing future technologies. Equates with AGR 600.

### **IET 603 - Quality Assurance in Science and Technology**

**(3-0-3)** A study of the application of descriptive measures, product sampling, organization of data, control charts, technical problem solving, quality and reliability testing, and quality control within technical and industrial applications. Equates with AGR 603.

### **IET 610 - Advanced Engineering Economics**

**(3-0-3)** This course provides an in-depth study of tools to analyze and solve the economic problems that are faced by today's technologists and engineers. The course will cover various topics such as the decision making process, cost estimating, time value of money, present worth techniques, cash flow analysis, rate of

return analysis, uncertainty in future events, depreciation methods, taxes, replacement policies, and annual equivalence and sensitivity analysis.

Prerequisite: IET 310

### **IET 619 - Total Quality Control**

**(3-0-3)** An advanced study of total quality management principles and techniques and their impact on the products' quality in organizations.

### **IET 620 - Industrial Education for the Elementary Teacher**

**(3-0-3)** Designed to develop professional and technical competencies of pre-service and in-service elementary school teachers.

### **IET 621 - Experimental Design for Industry**

**(3-0-3)** The course introduces concepts, principles, and techniques used in designing, conducting and analyzing experiments for industrial applications and applied research. Emphasis is given to product and process design, process improvement and quality engineering. Topics include simple comparative experiments, ANOVA, randomized block and Latin squares, factorial design, blocking and confounding factors, fitting regression models and response surface.

### **IET 622 - Industrial Project Management**

**(3-0-3)** A study of project management covering the Project Management Body of Knowledge (PMBOK) standards advocated by Project Management Institute (PMI). Principles, tools, methods and techniques employed for effective design and management of projects in technologically-based organizations. Project management software will be introduced and used.

Prerequisite: IET 320

### **IET 630 - Design for Manufacturability**

**(3-0-3)** The purpose of this course is to extend students' knowledge in designing components for manufacturability, in a concurrent mode of engineering. Topics include design for manufacturability, design philosophy, concurrent engineering, lean manufacturing, flexibility, standardization, cost reduction, part design, design for quality, design for repair and maintenance.

### **IET 644 - Wireless Networking and Systems**

**(3-0-3)** This course will review the area of system/network design, cellular concepts, resource management, radio management, radio channel propagation fundamentals, modulation, fading countermeasure, diversity, coding, spread spectrum, and multiple access techniques. Although the main focus of this course is on wireless networking with an emphasis on layers 2 and 3 of the OSI reference model, it will also focus on the design, performance analysis and protocols of wireless networking standards. Other topics covered include wireless networking, digital cellular, next generation PCS, wireless LANs, wireless ATM and mobile IP.

### **IET 645 - Computer Interfacing and Applications**

**(2-2-3)** A study of the computer architecture, interfacing basics, programmable interface devices, serial/parallel data communications, programmable timers, control devices and circuits and microprocessor interfacing.

### **IET 670 - Directed Research**

**(1 to 6 hrs.)** One basic course or equivalent in research methodology. The student must submit a proposal or plan describing the nature of the undertaking for approval in advance

of starting the work and submit a final report. A copy of the final work will be kept on file in the department. A self-directed independent study on a problem in industrial education.

### **IET 676 - Directed Study**

**(1 to 6 hrs.)** Provides the creative and resourceful graduate student with the opportunity to pursue a technical problem with a laboratory orientation.

### **IET 680 - Networking Technology**

**(2-2-3)** Advance study of data communications and networking technology. The topics include digital modulation, transmission media characteristics, interface standards, network configurations and testing equipment.

### **IET 688 - Computer Integrated Manufacturing**

**(2-2-3)** This course will provide an in-depth analysis of principles involved in computer-integrated manufacturing. Emphasis will be placed on planning operations, sequence, tooling, setup and programming NC/CNC machines and robots to design and manufacture a product.

### **IET 690 - Supervised Internship (Industry or Administration)**

**(1 to 6 hrs.)** To provide work experience in an occupational area. Advanced credit commensurate with time worked, type of work, variety of work experience, and research paper. A person may choose to do the internship in educational administration, in which case he or she would be assigned to work in a secondary, or higher education institution or for the State Department of Vocational Education in an administrative capacity. In each case, conditions will be agreed upon by employer, student, and graduate advisor prior to registration. Students are responsible for setting up the work site that is approved by their advisor.

### **IET 698 - Research Methods in Technology**

**(3-0-3)** A study of the research concepts and procedures, formulating and defining a problem, critically reviewing the literature, writing a research proposal, developing data collection instruments, collecting and analyzing the data, and writing the research report.

### **IET 699 - Thesis**

**(6 hrs.)** Independent research and thesis writing.

## **IGEO - Interdisciplinary Geography**

### **IGEO 604 - Proseminar**

**(3-0-3)** This course is an introduction to interdisciplinary social science thought, methodology and analysis. Students will be exposed to a variety of social science disciplines and apply disciplinary insights to real world problems. Equates with ISS/IHIS/ISOC 604.

### **IGEO 617 - Globalization**

**(3-0-3)** A study of the human activity that integrates our global community. This course will examine the ongoing process by which regional economics, societies and cultures have become integrated through a worldwide network of exchange and control. Equates with ISS/IHIS/ISOC 617.

### **IGEO 618 - Power**

**(3-0-3)** This course examines the phenomenon of power from political, historical, sociological, and geographical perspectives. Topics for this class include theories of power, political

institutions, social movements, resource mobilization, cosmopolitanism and gender and power. Equates with ISS/IHIS/ISOC 618.

#### **IGEO 619 - Culture**

**(3-0-3)** This course will provide an overview of the rich history of cultural studies in a variety of social science disciplines, as well as apply those insights to the analysis of specific cultures. Equates with ISS/IHIS/ISOC 619.

#### **IGEO 633 - Special Topics in Regional Studies**

**(3-0-3)** This course examines the geography, politics, history, culture and social and economic systems of a world region. Specific content varies and may cover any world regions such as Latin America, the Middle East, Sub-Saharan Africa, Europe or Asia. The course may be repeated if content differs. Equates with ISS/IHIS/ISOC 633.

#### **IGEO 651 - Gender**

**(3-0-3)** Gender, often seen as a biological difference, has its meaning constructed by cultures. The concepts of masculinity and femininity are socially and contextually formed and reflect the basic function point of society. Using an interdisciplinary approach, this course seeks to understand how gender functions in various contexts and its intersections with class, race, region, age, sexuality, geography, ethnicity and power. Equates with ISS/IHIS/ISOC 651.

#### **IGEO 652 - Race**

**(3-0-3)** This course examines the phenomenon of race from historical, sociological, geographical, and political perspectives. Topics include the origins of race concepts, multiculturalism, housing patterns, educational attainment, income distribution, whiteness, and liberation movements. Equates with ISS/IHIS/ISOC 652.

#### **IGEO 676 - Directed Study**

**(3-0-3)** Qualified students may arrange with staff for individual work on some particular issue in interdisciplinary social science.

#### **IGEO 699A - Thesis I**

**(3-0-3)** Student electing to write a thesis will work under the supervision of a faculty member and must present a thesis proposal approved by the graduate faculty.

#### **IGEO 699B - Thesis II**

**(3-0-3)** Student electing to write a thesis will work under the supervision of a faculty member and must present a thesis approved by the graduate faculty.

## **IHIS - Interdisciplinary History**

#### **IHIS 604 - Proseminar**

**(3-0-3)** This course is an introduction to interdisciplinary social science thought, methodology, and analysis. Students will be exposed to a variety of social science disciplines and apply disciplinary insights to real world problems. Equates with ISS/IGEO/ISOC 604.

#### **IHIS 617 - Globalization**

**(3-0-3)** A study of the human activity that integrates our global community. This course will examine the ongoing process by which regional economics, societies, and cultures have become integrated through a worldwide network of exchange and control. Equates with IGEO/ISS/ISOC 617.

#### **IHIS 618 - Power**

**(3-0-3)** This course examines the phenomenon of power from political, historical, sociological, and geographical perspectives. Topics for this class include theories of power, political institutions, social movements, resource mobilization, cosmopolitanism and gender and power. Equates with IGEO/ISS/ISOC 618.

#### **IHIS 619 - Culture**

**(3-0-3)** This course will provide an overview of the rich history of cultural studies in a variety of social science disciplines, as well as apply those insights to the analysis of specific cultures. Equates with IGEO/ISS/ISOC 619.

#### **IHIS 633 - Special Topics in Regional Studies**

**(3-0-3)** This course examines the geography, politics, history, culture and social and economic systems of a world region. Specific content varies and may cover any world regions such as Latin America, the Middle East, Sub-Saharan Africa, Europe or Asia. The course may be repeated if content differs. Equates with IGEO/ISS/ISOC 633.

#### **IHIS 642 - Cities**

**(3-0-3)** This course is a study of the cities which serve as centers of social, political, cultural and economic life for much of humankind. Topics include the history of urbanization, urban planning, cities and the politics of nation-states, crime, poverty, pollution and congestion. Equates with IGEO/ISS/ISOC 642.

#### **IHIS 651 - Gender**

**(3-0-3)** Gender, often seen as a biological difference, has its meaning constructed by cultures. The concepts of masculinity and femininity are socially and contextually formed and reflect the basic function point of society. Using an interdisciplinary approach, this course seeks to understand how gender functions in various contexts and its intersections with class, race, region, age, sexuality, geography, ethnicity and power. Equates with IGEO/ISS/ISOC 651.

#### **IHIS 652 - Race**

**(3-0-3)** This course examines the phenomenon of race from historical, sociological, geographical and political perspectives. Topics include the origins of race concepts, multiculturalism, housing patterns, educational attainment, income distribution, whiteness and liberation movements. Equates with IGEO/ISS/ISOC 652.

#### **IHIS 676 - Directed Study**

**(3-0-3)** Qualified students may arrange with staff for individual work on some particular issue in interdisciplinary social science.

#### **IHIS 699A - Thesis I**

**(3-0-3)** Student electing to write a thesis will work under the supervision of a faculty member and must present a thesis proposal approved by the graduate faculty.

#### **IHIS 699B - Thesis II**

**(3-0-3)** Student electing to write a thesis will work under the supervision of a faculty member and must present a thesis approved by the graduate faculty.



## ISOC - Interdisciplinary Sociology

### ISOC 604 - Proseminar

**(3-0-3)** This course is an introduction to interdisciplinary social science thought, methodology and analysis. Students will be exposed to a variety of social science disciplines and apply disciplinary insights to real world problems. Equates with ISS/IGEO/IHIS 604.

### ISOC 617 - Globalization

**(3-0-3)** A study of the human activity that integrates our global community. This course will examine the ongoing process by which regional economics, societies and cultures have become integrated through a worldwide network of exchange and control. Equates with IGEO/IHIS/ISS 617.

### ISOC 618 - Power

**(3-0-3)** This course examines the phenomenon of power from political, historical, sociological and geographical perspectives. Topics for this class include theories of power, political institutions, social movements, resource mobilization, cosmopolitanism, and gender and power. Equates with IGEO/IHIS/ISS 618.

### ISOC 619 - Culture

**(3-0-3)** This course will provide an overview of the rich history of cultural studies in a variety of social science disciplines, as well as apply those insights to the analysis of specific cultures. Equates with IGEO/IHIS/ISS 619.

### ISOC 633 - Special Topics in Regional Studies

**(3-0-3)** This course examines the geography, politics, history, culture, and social and economic systems of a world region. Specific content varies and may cover any world regions such as Latin America, the Middle East, Sub-Saharan Africa, Europe or Asia. The course may be repeated if content differs. Equates with IGEO/IHIS/ISS 633.

### ISOC 642 - Cities

**(3-0-3)** This course is a study of the cities which serve as centers of social, political, cultural and economic life for much of humankind. Topics include the history of urbanization, urban planning, cities and the politics of nation-states, crime, poverty, pollution and congestion. Equates with IGEO/IHIS/ISS 642.

### ISOC 651 - Gender

**(3-0-3)** Gender, often seen as a biological difference, has its meaning constructed by cultures. The concepts of masculinity and femininity are socially and contextually formed and reflect the basic function point of society. Using an interdisciplinary approach, this course seeks to understand how gender functions in various contexts and its intersections with class, race, region, age, sexuality, geography, ethnicity and power. Equates with IGEO/IHIS/ISS 651.

### ISOC 652 - Race

**(3-0-3)** This course examines the phenomenon of race from historical, sociological, geographical and political perspectives. Topics include the origins of race concepts, multiculturalism, housing patterns, educational attainment, income distribution, whiteness and liberation movements. Equates with IGEO/IHIS/ISS 652.

### ISOC 676 - Directed Study

**(3-0-3)** Qualified students may arrange with staff for individual work on some particular issue in interdisciplinary social science.

## ISS - Interdisciplinary Social Sciences

### ISS 604 - Interdisciplinary Social Science

**(3-0-3)** This course is an introduction to interdisciplinary social science thought, methodology and analysis. Students will be exposed to a variety of social science disciplines and apply disciplinary insights to real world problems. Equates with IGEO/IHIS/ISOC 604.

### ISS 617 - Globalization

**(3-0-3)** A study of the human activity that integrates our global community. This course will examine the ongoing process by which regional economics, societies, and cultures have become integrated through a worldwide network of exchange and control. Equates with IGEO/IHIS/ISOC 617.

### ISS 618 - Power

**(3-0-3)** This course examines the phenomenon of power from political, historical, sociological and geographical perspectives. Topics for this class include theories of power, political institutions, social movements, resource mobilization, cosmopolitanism, and gender and power. Equates with IGEO/IHIS/ISOC 618.

### ISS 619 - Culture

**(3-0-3)** This course will provide an overview of the rich history of cultural studies in a variety of social science disciplines, as well as apply those insights to the analysis of specific cultures. Equates with IGEO/IHIS/ISOC 619.

### ISS 633 - Special Topics in Regional Studies

**(3-0-3)** This course examines the geography, politics, history, culture, and social and economic systems of a world region. Specific content varies and may cover any world regions such as Latin America, the Middle East, Sub-Saharan Africa, Europe, or Asia. The course may be repeated if content differs. Equates with IGEO/IHIS/ISOC 633.

### ISS 642 - Cities

**(3-0-3)** This course is a study of the cities which serve as centers of social, political, cultural and economic life for much of humankind. Topics include the history of urbanization, urban planning, cities and the politics of nation-states, crime, poverty, pollution and congestion. Equates with IGEO/IHIS/ISOC 642.

### ISS 650 - Social Thought and Theory

**(3-0-3)** An intensive study of certain selected pioneer social theorists such as Weber, Durkheim, Marx, and contemporary theories. Equates with SOC/GEO/HST 650.

Prerequisite: SOC 405

### ISS 651 - Gender

**(3-0-3)** Gender, often seen as a biological difference, has its meaning constructed by cultures. The concepts of masculinity and femininity are socially and contextually formed and reflect the basic function point of society. Using an interdisciplinary approach, this course seeks to understand how gender functions in various contexts and its intersections with class, race, region, age, sexuality, geography, ethnicity and power. Equates with IGEO/IHIS/ISOC 651.

### **ISS 652 - Race**

**(3-0-3)** This course examines the phenomenon of race from historical, sociological, geographical and political perspectives. Topics include the origins of race concepts, multiculturalism, housing patterns, educational attainment, income distribution, whiteness and liberation movements. Equates with IGEO/IHIS/ISOC 652.

### **ISS 676 - Directed Study**

**(3-0-3)** Qualified students may arrange with staff for individual work on some particular issue in interdisciplinary social science.

### **ISS 690 - Special Topics**

**(3-0-3)** Specialized offerings that are not part of the current curriculum.

### **ISS 699A - Thesis I**

**(3-0-3)** Student electing to write a thesis will work under the supervision of a faculty member and must present a thesis proposal approved by the graduate faculty.

### **ISS 699B - Thesis II**

**(3-0-3)** Student electing to write a thesis will work under the supervision of a faculty member and must present a thesis approved by the graduate faculty.

## **ITCD - Computer Aided Design**

### **ITCD 603 - Advanced CAD of Mechanisms**

**(2-2-3)** Mathematical and graphic solutions of problems involving the principles of machine elements. Special emphasis on study and stress analysis, failure prevention from static and variable loading, design of mechanical elements, linkages, velocities and acceleration of points with link mechanisms; layout methods for designing cams, belts, pulleys, gears and gear trains. The course will offer a practical approach to the subject of machine design through a wide range of real-world applications and examples. Case studies, discussions and projects are integrated in a cohesive approach to solving advanced machine design and mechanism problems in line with contemporary technological advances.

### **ITCD 615 - Advanced Computer Aided Design**

**(3-0-3)** The purpose of this course is to extend students' knowledge and skills in the design, modeling, analysis and simulation of spatial problems found in industrial, civil, or architectural environments. Topics include customization and lisp routines, basic finite element analysis, geometric dimensioning and tolerancing, prototype development and interfacing with computer aided manufacturing and advanced development of movies for civil and architectural projects.

## **ITEC - Electricity/Electronics Technology**

### **ITEC 600 - Digital Signal Processing I**

**(2-2-3)** This course provides an introduction to the exciting world of signal processing. Upon completion, the student will be familiar with the fundamentals of DSP methods and applications using the interactive MATLAB signal processing tool box. Designed for students who have some basic familiarity with electric signal analysis.

Corequisite: ITEC 600L

### **ITEC 650 - Digital Signal Processing II**

**(2-2-3)** This course provides an introduction to advanced topics in digital signal processing--linear estimation and prediction analysis, signal modeling, lattice filters, spectral estimation and adaptive filters; signal processing algorithms and techniques used in a broad range of applications.

Corequisite: ITEC 650L

## **ITMT - Industrial Technology Manufacturing**

### **ITMT 684 - Manufacturing Information Systems**

**(2-2-3)** Advanced tool and machining theory, with emphasis on production machining and progressive tooling for computerized numerical control applications.

Corequisite: ITMT 684L

## **MATH - Mathematics**

### **MATH 604 - Topology**

**(3-0-3)** Elementary set theory; topological spaces; metric spaces; compactness and connectedness; mappings of topological spaces; related topics.

### **MATH 605 - Advanced Topics**

**(3-0-3)** Advanced study in some area of mathematics.

### **MATH 610 - Real Analysis**

**(3-0-3)** Abstract measure spaces; Lebesgue integration; differentiation theory; classical Banach spaces.

### **MATH 611 - Functional Analysis**

**(3-0-3)** Linear spaces; normed and branched spaces; Hilbert spaces; applications to sequence spaces, and Fourier series.

### **MATH 612 - Real Variables**

**(3-0-3)** Topological properties of Euclidean space; theory of differentiation and integration; sequences and series of functions.

### **MATH 618 - Probability**

**(3-0-3)** A course in mathematical probability and its applications to statistical analysis.

### **MATH 619 - Advanced Integrated Math and Science for Teachers**

**(2-2-3)** This course will develop interdisciplinary science knowledge, mathematics skills and technology skills needed to interpret and report real world data.

### **MATH 620 - Mathematical Modeling for Teachers**

**(3-0-3)** This course is designed for the mathematics teacher. The purpose is to deepen students' knowledge of functions as applied to the high school curriculum. The focus is on mathematical modeling of functional relationships. The relationships will be investigated using symbolic, verbal, tabular and graphical representations. Topics include linear, quadratic, exponential, logarithmic, polynomial and rational functions in both recursive and explicit forms.

Prerequisite: MATH 300

### **MATH 625 - Number Theory for Teachers**

**(3-0-3)** This course is designed for the school mathematics teacher. The course is designed to introduce students to the elementary

number theory. Topics include mathematical induction, divisibility properties of integers, prime numbers, congruence relations and cryptography.

Prerequisite: MATH 300

### **MATH 631 - Problem Solving for the Elementary Teacher**

(3-0-3) An activity-oriented course designed for the elementary school teacher in curricular materials and problem solving.

### **MATH 640 - Biostatistical Methods**

(3-1-4) The purpose of this course is to extend students' knowledge in statistical concepts as applied to the health sciences, medicine and biology. Topics include confidence intervals and hypothesis testing; sample size and power considerations; analysis of variance and multiple comparisons; correlation and regression; multiple regression and statistical control of confounding; logistic regression; survival analysis; and fundamentals of clinical trials.

### **MATH 642 - Mathematical Models in Biology for Teachers**

(3-0-3) Discrete models across a variety of biological subdisciplines. Topics include linear and nonlinear models of population, Markov models of molecular evolution, phylogenetic tree construction, and infectious disease models.

### **MATH 650 - Higher Algebra I**

(3-0-3) Groups, rings and related topics.

### **MATH 651 - Higher Algebra II**

(3-0-3) Vector spaces and modules, fields, linear transformations. Prerequisite: MATH 650

### **MATH 653 - Concepts in the Design of Experiments**

(3-0-3) Single factor experiments; factorial experiments; qualitative and quantitative factors; fixed, random and mixed models; nested experiments.

### **MATH 656 - Nonparametric Statistics**

(3-0-3) A course in basic nonparametric methods with applications.

### **MATH 663 - Probability and Statistics for Teachers**

(3-0-3) The purpose of this course is to extend students' knowledge of probability and statistical concepts as introduced in the high school curriculum.

### **MATH 670 - Research Problems**

(1 to 6 hrs.) Individual research in mathematics. The problem to be investigated must be approved prior to registration.

### **MATH 673 - Projective Geometry**

(3-0-3) A synthetic treatment of projective geometry leading into natural homogeneous coordinates; analytic projective geometry; conics; axiomatic projective geometry, some descendants of real projective geometry.

### **MATH 675 - Selected Topics**

(1 to 6 hrs.) Topics are offered which meet the needs of students and which are not otherwise included in the general curriculum.

### **MATH 676 - Special Problems Math**

(3-0-3)

### **MATH 685 - Vector Analysis**

(3-0-3) Vector functions of a single variable; scalar and vector fields; line integrals, generalizations and applications.

### **MATH 686 - Complex Variables**

(3-0-3) Algebra of complex variables; analytic functions, integrals; power series; residues and poles; conformal mappings.

### **MATH 695 - Topics in Mathematics Curriculum**

(1 to 6 hrs.) New curricula developments in mathematics.

## **MKT - Marketing**

### **MKT 600 - Survey of Marketing**

(3-0-3) This course will address the foundations of marketing theory, focusing on how products, pricing, distribution and promotion facilitate exchange. Specific topics to be covered include components of the marketing mix, consumer behavior, global issues, ethical practices and societal influences. This course does not satisfy requirements of the 30-hour MBA program.

### **MKT 622 - Financial Services Marketing**

(3-0-3) Examines the marketing of financial services from a managerial perspective. Includes nature of services, managing the service encounter, service quality, and the marketing and management of financial services. Equates with FIN 622.

### **MKT 635 - Consumer Behavior and Managerial Implications**

(3-0-3) This course examines important concepts, principles, and theories from the various social sciences in order to describe and explain consumer behavior, and its implications for marketing managers when making strategic management decisions.

### **MKT 640 - Product Design and Development**

(3-0-3) This course addresses marketing's role in new product design and development. Course content provides a comprehensive overview of the new product development process, including effective development strategy, generating and evaluating concepts, technical development of products, product life-cycle strategies and development of the marketing plan.

### **MKT 645 - IMC for Marketing Managers**

(3-0-3) This course will explore IMC (Integrated Marketing Communications) from the manager's perspective. IMC is the management of all organizational communications to build positive relationships with customers and other stakeholders. IMC stresses marketing to the individual by understanding needs, motivations, attitudes and behaviors. Topics will address customer-centric communications, data analysis, promotional tools, traditional media channels, and emerging technology applications, along with buyer behavior, alternative marketing, and legal and ethical considerations.

### **MKT 650 - Marketing Administration**

(3-0-3) A systematic and comprehensive approach to marketing decision making with basic marketing strategies; the problems involved in a given decision, how they may be solved, and how solutions impinge on their strategies.

### **MKT 652 - Marketing Research and Analysis**

(3-0-3) An examination of the role of information in decision making with special emphasis on the techniques and methods used in marketing research and analysis. The completion of an actual research project using real data is required.

### **MKT 665 - Consumer Psychology in Online Marketing**

(3-0-3) This course will address the foundations of consumer behavior and motivation based in marketing strategy, focusing on

the online business environment. Specific topics to be covered include consumer attitudes and preferences, intended behaviors, personality and societal influences.

### **MKT 668 - Organizational Strategies in E-commerce**

**(3-0-3)** This course examines the literature on strategies that organizations can use in order to understand the variables that impact organizations as they enter the world of e-commerce. The primary focus is on strategic planning and leadership for effective implementation of e-commerce throughout the entire organization. It examines key elements of e-commerce that have the potential to transform and change the manner in which businesses and public entities conduct their operations. These elements include operations within the organization, business-to-consumer (B2C) and business-to-business (B2B) activities. This course stresses both the practical and academic view to meet the needs of business students. Equates with MNGT 668.

### **MKT 670 - Directed Research**

**(1 to 3 hrs.)** Provides an opportunity and challenge for directed study of marketing problems. Student must present a written statement of an approved research problem prior to registration.

## **MNGT - Management**

### **MNGT 600 - Survey of Management and Organizational Behavior**

**(3-0-3)** A comprehensive analysis of the fundamental concepts of organizational design and management with emphasis on the role of a manager as a decision maker in a rapidly changing global environment, taking into account the short- and long-range social, ethical, and legal ramifications of those decisions. Special emphasis is placed on managing a diverse workforce and the functions of planning, organizing, motivating, and leadership. This course does not satisfy the requirements of the 30-hour MBA program.

### **MNGT 602 - Survey of Quantitative and Financial Analysis**

**(3-0-3)** Using statistics and finance in management decisions. Understanding of descriptive statistics, probability theory, and statistical inference and forecasting. Understanding financial statement analysis, interest rates, financial markets and institutions, time value of money, investments, and how finance affects managerial decision making. Equates with ECON 602.

### **MNGT 606 - Operations Analysis**

**(3-0-3)** Managerial organization for production, plant design and layout, control of production, and investment in equipment.

### **MNGT 609 - International Management**

**(3-0-3)** A global view of management within various cultures and countries. The course covers international competition, cross-national ethics, international strategy, cross-cultural management, international human resources and international leadership.

### **MNGT 610 - Legal Issues in Business Transactions**

**(3-0-3)** A review of the legal environment of business with a focus on the features of law which impact business transactions.

### **MNGT 612 - Organizational Theory**

**(3-0-3)** An analysis of the development of management theory as found in the major schools of thought and of current literature. Executive characteristics, interdisciplinary contributions to

management thought, and influences that have molded management as a profession will be covered.

### **MNGT 620 - Quantitative Business Analysis**

**(3-0-3)** Designed to give business students an understanding of quantitative methods and models used in solving many problems in business and industry. The student will have an exposure to the language of mathematics and quantitative methods used as a basis for better communication with operation researchers and systems analysis.

### **MNGT 650 - Innovation, Technology and Organizational Change**

**(3-0-3)** This course examines the literature on innovation, technology, and organizational change in order to understand the variables that impact organizational development, growth, and performance. The primary focus is on strategic planning and leadership for effective implementation of organizational change. It examines key elements of technology and innovation that can transform and energize businesses and public entities. These elements include commerce, knowledge management, and business operations. This course stresses both the practical and academic view to meet the needs of business students.

### **MNGT 655 - Social Responsibilities of Business**

**(3-0-3)** Deals with controversial areas such as the military industrial complex, urban problems, minorities and air pollution. Discussions will also cover alienation and job satisfaction, business and less advantaged persons, and arguments for and against business assuming social responsibilities. Each graduate student will be required to be involved with cases that are related to one of the topics covered.

### **MNGT 656 - Small Business Institute Field Project**

**(3-0-3)** Student serves as a member of a consulting team to a small business. Responsibility is to analyze the business operation and make recommendations for improvement of identified problem area.

### **MNGT 660 - Entrepreneurship**

**(3-0-3)** This course is integrative and experiential in nature, drawing from a broad range of business basics. Its main focus will be in-depth exposure to the process of starting and scaling an enterprise from an idea and business plan into a company. The course presents the main themes of managing innovation ventures in firms of varying size and establishment. First half develops an understanding of the issues involved in the different developmental patterns adopted by start-ups, many of which involve linkages between new and established firms. Second half focuses on the problems established firms face in smaller, nimbler organizations. Also covers ways to expand the innovation process beyond traditional firm boundaries, including collaborations between large and young emerging companies.

### **MNGT 661 - Human Resource Topics**

**(3-0-3)** The primary purpose of this course is to enable students to learn about HR issues by performing in-depth analyses. Students are required to perform library and Internet research on each topic. In addition, students will be prepared to discuss their findings and policy recommendations each class period.

### **MNGT 662 - Human Resource Development**

**(3-0-3)** Emphasis on development and training of human resources in the dynamic business organization. Provides practical application of the training and development functions in

contemporary corporations, governments, agencies and nonprofit organizations. Underscores the role of the manager as the leader in facilitating the learning of job-related knowledge, skills and behaviors.

### **MNGT 663 - Compensation and Benefits**

**(3-0-3)** Detailed study of organizational compensation systems (employee pay, benefits) and human resource systems. Provides practical applications in contemporary businesses, government agencies and nonprofit organizations. Underscores the role of the manager as the leader in facilitating the use of incentive systems; knowledge-based systems, and job design and evaluation.

### **MNGT 664 - Employee Relations**

**(3-0-3)** Deals with labor-management relations in its broadest sense. The heritage and major incidents of the aspects of the labor-management environment are explored; and labor law and the courts are considered. Strong emphasis is placed on labor-management negotiations and on grievance procedures.

### **MNGT 665 - Organizational Behavior**

**(3-0-3)** A study of human interpersonal behavior to understand, evaluate, and appraise business and social situations. The emphasis is on skill and ability to work with people, groups and institutions by demonstrations in the classrooms and use of theory and techniques. Equates with COMM 665.

### **MNGT 667 - Women and Men in Management**

**(3-0-3)** This course deals with gender issues in the formal and informal environment of the workplace. Gender differences, sexual harassment, discrimination and politics are discussed. The impact of one's personal life on one's work life is discussed to include: dual income families, marital roles, children, domestic violence, and the role of the organization.

### **MNGT 668 - Organizational Strategies for E-commerce**

**(3-0-3)** This course examines the literature on strategies that organizations can use to understand the variables that impact organizations as they enter the world of e-commerce. The primary focus is on strategic planning and leadership for effective implementation of e-commerce throughout the entire organization. It examines key elements of e-commerce that have the potential to transform and change the manner in which businesses and public entities conduct their operations. These elements include operations within the organization, business-to-consumer (B2C) and business-to-business (B2B) activities. This course stresses both the practical and academic view to meet the needs of business students. Equates with MKT 668.

### **MNGT 670 - Directed Research**

**(1 to 3 hrs.)** Provides an opportunity and challenge for directed study of management problems. Student must present a written statement of an approved research problem prior to registration.

### **MNGT 677 - Leadership and Ethics**

**(3-0-3)** This course is designed to help students develop the knowledge and skills needed to lead high-performing, ethical groups and organizations. This course explores theories and research from various fields related to both ethics and leadership in organizations. Emphasis is placed on the practical application of these theories in the modern workplace.

### **MNGT 680 - Health Care Organization and Management**

**(3-0-3)** A broad orientation to the health services industry. Involves a study of the structure, function and management issues of several key components of the health services industry.

### **MNGT 691 - Business Policies and Procedures**

**(3-0-3)** Enrollment in this course is restricted to fully admitted MBA students. Designed for later stages of MBA degree completion, this course gives the student an opportunity to integrate and apply specialized disciplinary skills to practical business problems of company-wide scope. The course utilizes comprehensive case materials and emphasizes the "sorting out" of a mass of facts, development of sound courses of action, presentation of these in written and oral form, and class discussion.

Prerequisite: Completion of or concurrent enrollment in ACCT 611, BIS 630, CIS 615, ECON 661, FIN 660, MKT 650 and MNGT 677

### **MNGT 698 - Selected Workshop Topics**

**(1 to 4 hrs.)** Workshops on various management subjects will be presented periodically to supplement the basic course offerings in management. Credit toward degree programs must be approved by the student's advisor and the department chair.

## **MUSC - Music Conducting**

### **MUSC 671 - Advanced Conducting**

**(2-2-3)** Advanced instruction and experience in the preparation, rehearsal and performance of ensemble music.

## **MUSE - Music Education**

### **MUSE 615 - Voice Pedagogy**

**(3-0-3)** An introduction to the physiological, acoustical and phonetic bases of singing and private voice instruction. Emphasis will be placed on the relationship between scientific fact and the practical application of principles through the use of imagery and phonetic choice.

### **MUSE 616 - Teaching of Strings**

**(2-1-2)** A survey of teaching techniques and materials with primary emphasis on the public school level.

### **MUSE 625 - Psychology of Music**

**(3-0-3)** A study of the psychological processes upon which musical behavior depends.

### **MUSE 635 - Practicum in Music Teaching**

**(3 hrs.)** Practical experience on an individual basis in some areas of music teaching under the supervision of a member of the music faculty. The credit will be offered only to the student whose need can be met with an appropriate situation for supervised teaching.

### **MUSE 639 - Cooperative Education**

**(1 to 8 hrs.)**

### **MUSE 641 - Kodaly Pedagogy and Research I**

**(2-2-3)** An in-depth study of the psychological processes upon which musical behavior depends and the concepts relating to the teaching of Kodály Level I Pedagogy and Folk Song Research. The concepts fulfill the national standards of the national Kodály

association - OAKE (Organization of American Kodály Educators) for Level I.

**MUSE 642 - Kodaly Musicianship and Solfa I**

(2-1-2) An in-depth study of the concepts relating to Kodály Level I Musicianship and Solfa teaching strategies. The concepts fulfill the national standards of the national Kodály association - OAKE (Organization of American Kodály Educators) for Level I Musicianship and Solfa.

**MUSE 643 - Kodaly Pedagogy and Research II**

(2-2-3) An in-depth study of the concepts relating to the teaching of Kodály Level II Pedagogy and Folk Song Research. The concepts fulfill the national standards of the national Kodály association - OAKE (Organization of American Kodály Educators) for Level II Pedagogy and Research.

Prerequisite: MUSE 641

**MUSE 644 - Kodaly Musicianship and Solfa II**

(2-1-2) An in-depth study of the concepts relating to Kodály Level II Musicianship and Solfa teaching strategies. The concepts fulfill the national standards of the national Kodály association - OAKE (Organization of American Kodály Educators) for Level II Musicianship and Solfa.

Prerequisite: MUSE 642

**MUSE 645 - Kodaly Musicianship and Solfa III**

(2-1-2) An in-depth study of the concepts relating to Kodály Level III Musicianship and Solfa teaching strategies. The concepts fulfill the national standards of the national Kodály association - OAKE (Organization of American Kodály Educators) for Level III Musicianship and Solfa.

Prerequisite: MUSE 644

**MUSE 653 - Teaching of Woodwinds**

(2-0-2) Comparative study of the various techniques and recent trends in the teaching of woodwind instruments.

**MUSE 656 - Teaching of Brasses**

(2-0-2) Comparative study of various techniques and recent trends in the teaching of brass instruments.

**MUSE 658 - Teaching of Percussion**

(2-0-2) A study of the development of percussion instruments, literature and performing techniques.

**MUSE 661 - Teaching of General Music**

(2-0-2) Pedagogy course with emphasis upon music for the non-performing student in the elementary and secondary schools.

**MUSE 679 - Marching Band Techniques**

(2-0-2) Techniques of preparing marching bands for performance.

**MUSE 681 - Foundations of Music Education**

(3-0-3) Examination of the historical, philosophical and sociological foundations of the teaching of music in public schools.

**MUSE 682 - Seminar in Music Education**

(3-0-3) An in-depth study of current trends and/or timely topics in music education. Topic areas (selected to address the needs of the students, to adapt to the expertise of the instructor, and to identify and address current education issues) may vary and can include (but are not limited to): history of music education, foundations of music education, purpose and function of music in American musical education, application of psychology to music teaching,

measurement and evaluation of musical behaviors, curriculum, research in music education, and future directions and trends in music teacher education. Course may be repeated under different topical areas.

## MUSG - Music Class Applied

**MUSG 683 - Studio Improvisation**

(0-2-1) May be repeated for credit.

## MUSH-Music-History-Literature

**MUSH 600 - Graduate Music History Survey**

(3-0-3) A review of the history of music in Western Europe, Russia and America from its ancient Greek beginnings to the present. This is a review course based on the outcomes of diagnostic entrance exams.

**MUSH 665 - Music in America**

(3-0-3) A survey of the history of American music from colonial times to the present.

**MUSH 681 - Literature of the Piano**

(3-0-3) Survey of the keyboard music from the 16th century to the present.

**MUSH 690 - School Band Literature**

(2-0-2) Examination and criticism of music for training and concert use by groups at various levels of attainment.

**MUSH 691 - Symphonic Literature**

(3-0-3) Orchestral literature from the Mannheim School to the present. Emphasis upon formal structure, harmonic idioms and orchestration.

**MUSH 692 - Vocal Literature**

(3-0-3) A survey of music for solo voice and vocal ensemble, 16th through 20th centuries; stylistic traits, types of compositions, sources and performance practices.

**MUSH 693 - Contemporary Music**

(3-0-3) A study of the compositions and theories of those composers who have contributed significantly to the music of the 20th century.

**MUSH 694 - Chamber Music**

(3-0-3) A study of the literature for small ensembles from the 18th century to the present.

**MUSH 695 - Seminar in Music History**

(3-0-3) An in-depth study of the musicians, music literature and musical styles within the context of a specific topic area. Topic areas may vary and can include (but are not limited to): specific musical style periods, specific genres, the works of specific composers, schools of compositions, etc. Course may be repeated under different topical areas.

Prerequisite: One of the following: 1. B or better in MUSH 600 2. Successful performance on Music History and Literature, Entrance Exam

## MUSM - Music Ensembles

**MUSM 661 - Trumpet Ensemble (1)**

**MUSM 662 - Trombone Choir (1)**

**MUSM 663 - Tuba and Euphonium Ensemble (1)**

**MUSM 667 - Brass Choir (1)**

**MUSM 668 - Brasswind Ensemble (1)**

**MUSM 669 - Percussion Ensemble (1)**

**MUSM 670 - Concert Band (1)**

**MUSM 671 - Symphony Band (1)**

**MUSM 672 - Marching Band (1)**

**MUSM 678 - String Ensemble (1)**

**MUSM 679 - Orchestra (1)**

**MUSM 681 - Jazz Ensemble (1)**

**MUSM 682 - Jazz Vocal Ensemble (1)**

**MUSM 683 - Traditional Music Ensemble (1)**

**MUSM 684 - Guitar Ensemble (1)**

**MUSM 690 - Vocal Ensemble (1)**

**MUSM 691 - University Chorus (1)**

**MUSM 692 - Concert Choir (1)**

**MUSM 693 - Chamber Singers (1)**

**MUSM 694 - Operaworks (1)**

## MUSP - Music Private Applied

**MUSP 601 - Private Flute**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 602 - Private Oboe**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 603 - Private Bassoon**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 604 - Private Clarinet**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 605 - Private Saxophone**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 606 - Private Horn**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 607 - Private Trumpet**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 608 - Private Euphonium**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 609 - Private Trombone**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 610 - Private Tuba**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 616 - Private Harp**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 619 - Private Percussion**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 627 - Private Violin**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 628 - Private Viola**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 629 - Private Cello**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 630 - Private Double Bass**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 635 - Private Classical Guitar**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 636 - Private Guitar**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

**MUSP 637 - Private Electric Bass**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

### **MUSP 638 - Private Banjo**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

### **MUSP 640 - Private Voice**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

### **MUSP 641 - Private Harpsichord**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

### **MUSP 642 - Private Organ**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

### **MUSP 643 - Private Piano**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

### **MUSP 660 - Graduate Recital**

(2-0-2) A public solo recital of approximately one hour's duration. It is recommended that this course be taken in the last semester of private applied study. A minimum grade of "C" is required for this course to satisfy degree requirements.

Prerequisite: Graduate recital hearing and consent of the appropriate private applied instructor.

### **MUSP 662 - Private Composition**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

### **MUSP 663 - Private Conducting**

(1 to 4 hrs.) Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

### **MUSP 670 - Private Applied Pedagogy and Performance Practice**

(1-0-1) An examination of the literature related to teaching applied music and to historical performance practices associated with the repertory for the major performing area.

Prerequisite: Admission to Master of Music in Music Education or Master of Music in Performance degree program or permission of instructor.

## **MUST - Music Theory**

### **MUST 630 - Arranging**

(2-0-2) Scoring, arranging, transcribing of selected or original materials for voices and/or instruments.

### **MUST 631 - Arranging for the Marching Band**

(2-0-2) Study of current trends in half-time show styles; creative experiments in arranging in various styles; attention to individual projects.

### **MUST 632 - Advanced Arranging**

(2-0-2) Continuation of MUST 630.

### **MUST 661 - Advanced Composition I**

(1-1-2) Study, writing and performance of students' original creative work. Private conferences and composition seminar in colloquium.

### **MUST 662 - Advanced Composition II**

(1-1-2) Continuation of MUST 661.

### **MUST 663 - Creative Writing I**

(2-0-2) Private coaching and critique in developing individual compositional style.

### **MUST 664 - Creative Writing II**

(2-0-2) Continuation of MUST 663.

Prerequisite: MUST 663

### **MUST 665 - Form and Analysis**

(3-0-3) A study of the elements of musical design through score analysis.

### **MUST 690 - Studies in Musical Style**

(3-0-3) Analysis of the compositional styles of major composers from various historical periods and the application of that stylistic understanding to creative projects that imitate the styles under study. The course will integrate the tools of digital music technology.

Prerequisite: One of the following: 1. B or better in MUST 665, 2. Pass entrance examination in music theory

## **MUSW - Music Research**

### **MUSW 676 - Independent Study**

(1 to 3 hrs.) Definition and investigation of a problem in music. A written report of the problem, procedure and results of the study must be submitted.

### **MUSW 680 - Research Methods and Materials**

(3-0-3) A study of the types of research appropriate to the field of music and the methodology of each.

### **MUSW 683 - Comprehensive Capstone Examination - Master of Arts**

(0-0-0) *To be taken during the final semester of program of study.* Consists of graduate music program exit examination for the 12-hour specialized teaching area in music within the Master of Arts in Education - Secondary.

### **MUSW 684 - Comprehensive Capstone Examination: Music Education**

(0-0-0) *To be taken during the final semester of program of study.* Consists of graduate music program exit examinations, comprehensive written and oral examinations for the program of study.

### **MUSW 685 - Comprehensive Capstone Examination: Performance**

(0-0-0) *To be taken during the final semester of program of study.* Consists of graduate music program exit examinations, comprehensive written and oral examinations for the program of study.

### **MUSW 699 - Thesis**

(6 hrs.) May be divided among two or more semesters.



## PA - Public Administration

### PA 605 - Epistemology and Research Methodology

**(3-0-3)** This course provides a comprehensive understanding of the concepts and principles of research methods in public administration. The epistemological foundations of research, as well as both quantitative and qualitative methods are examined. Upon completion of this course, students will be able to understand research and methodologies in public administration and their relationship to U.S. political processes.

### PA 610 - Public and Administrative Law

**(3-0-3)** This course presents a comprehensive understanding of the concepts and principles of public law, with special focus on American constitutional law and administrative law processes that are responsible for the formation and execution of public policy. Upon completion of this course, students will be able to understand constitutional law and its relationship to public administration and the bureaucratic policy process more fully.

### PA 611 - Jurisprudence

**(3-0-3)** This course provides a comprehensive understanding of the concepts and principles of jurisprudence with special focus on American government, English common law and the U.S. Constitution. Upon completion of this course, students will be able to understand U.S. legal philosophy, federalism and the relationship of jurisprudential conflict to the American political process and policy more fully.

### PA 620 - Bureaucracy and Public Management

**(3-0-3)** This course provides a comprehensive understanding of the concepts and principles of bureaucracy and public management, with special focus on bureaucratic policy, executive institutions and administrative agencies responsible for the formation and execution of public policy. Upon completion of this course, students will be able to understand bureaucracy and its relationship to public administration, politics and the policy process more fully.

### PA 625 - Public Budgeting and Finance

**(3-0-3)** This course provides a comprehensive understanding of the concepts and principles of public economics and government finance, with special focus on public budgeting and administrative fiscal processes that are responsible for the formation and execution of public policy. Upon completion of this course, students will be able to understand public budgeting and its relationship to public administration and the bureaucratic policy process more fully.

### PA 630 - Politics of Public Policy

**(3-0-3)** This course will allow students to gain a more comprehensive understanding of the concepts and principles of public policy, with special focus on American institutions and political processes that are responsible for the formation and execution of public policy. Upon completion of this course, students will be able to understand public policy and its relationship to public administration and the American political system more fully.

### PA 635 - Organizational Theory

**(3-0-3)** This course is an intensive study of major theories of organizational structure and process, from Max Weber's work on bureaucracy until the present, focusing on public organizations and management. It will survey the classics of organization theory in public administration, familiarize students with the current

state of scholarship in the field, and apply theory to practice through case studies.

### PA 640 - Theoretical Foundations of Public Administration

**(3-0-3)** This course provides a comprehensive understanding of the core theoretical concepts and principles of public administration, with special focus on American government and the policy making processes of the intergovernmental system. Upon completion of this course, students will be able to understand political theory and its relationship to public administration and the American political process and intergovernmental policy more fully.

### PA 641 - Ethics in Public Administration

**(3-0-3)** This course surveys the major ethical theories of the Western world from ancient to contemporary virtue ethics and anti-foundationalism. Each ethical theory is applied to concrete situations that arise in public management, allowing students to refine their understanding of the theory while practicing its application and discussing its consequences. Upon completion of this course, students will be able to understand the major ethical theories and the historical development of those theories applying different ethical perspectives to concrete situations in public administration.

### PA 642 - Western Political Theory I

**(3-0-3)** This course examines the seminal political thought of the Western world from the ancient to medieval ages. Students will understand the roots of modern government, the classification of political regimes, and their theoretical justification with respect to human nature, justice, and the administration of political affairs. Upon completion, students will be able to understand the foundations of Western civilization and major political thought from ancient to the medieval ages.

Prerequisite: PA 640

### PA 643 - Western Political Theory II

**(3-0-3)** This course examines the seminal political thought of the Western world from the renaissance to modernity. Students will understand liberalism, social contract theory, republicanism, value relativism and historicism, and their theoretical justification with respect to human nature, justice, and the administration of political affairs. Upon completion, students will be able to understand the foundations of Western civilization and major political thought from the renaissance to the modern era.

Prerequisite: PA 640

### PA 645 - Seminar in Founding Fathers and American Thought

**(3-0-3)** This course provides a comprehensive understanding of the political thought of the founding fathers and the core theoretical concepts and principles of Western political theory that formed the American constitution. Upon completion of this course, students will be able to understand the American founding fathers and American political thought and their relationship to public administration and the American political process and intergovernmental policy more fully.

### PA 650 - Federalism Theory and Constitutional Law

**(3-0-3)** This course provides a comprehensive understanding of the concepts and principles of federalism with special focus on American government and the constitutional theory of the founding fathers. Special focus also directed to the policy making processes of the intergovernmental system. Upon completion of

this course, students will be able to understand federalism and its relationship to the American political process, constitutional law and policy more fully.

#### **PA 655 - Community Development**

**(3-0-3)** This course will allow students to gain a more comprehensive understanding of community development and the interdisciplinary literature related to public administration, with special focus on American government and the social, economic, and political processes of community building and the nonprofit and public sector organizations that perform community development functions. Upon completion of this course, students will be able to understand community development and its relationship to public administration and the American political process and intergovernmental policy more fully.

#### **PA 656 - Nonprofit Organizations**

**(3-0-3)** This course provides both academic and practical knowledge concerning nonprofit organizations including theory, policy and management of such organizations.

Prerequisite: Completion of 9 credit hours of MPA core courses or permission of the instructor

#### **PA 660 - Intergovernmental Relations**

**(3-0-3)** This course provides a comprehensive understanding of the concepts and principles of intergovernmental relations with special focus on U.S. government and federalism. The intergovernmental system is examined in terms of American institutions at all levels of government and the complex web of public and private sector organizations that form the intergovernmental actors in the policy making process. Upon completion of this course, students will be able to understand intergovernmental relations and their relationship to American political processes and policies more fully.

#### **PA 680 - Homeland Security**

**(3-0-3)** This course provides a comprehensive understanding of U.S. Homeland Security Policy. This course examines the core theoretical concepts and principles of Western security that form U.S. national interest and foreign relations. Upon completion of this course, students will be able to understand the theoretical approaches and management techniques for U.S. security policy and the relationship to public administration.

#### **PA 681 - American Diplomatic History**

**(3-0-3)** This course provides a comprehensive understanding of the history of American diplomatic relations. This course examines the core theoretical concepts and principles of Western diplomacy that form U.S. foreign relations. Upon completion of this course, students will be able to understand the history of U.S. diplomatic relations and the relationship to public administration and the American political process and foreign affairs more fully.

#### **PA 686 - Intelligence Analysis**

**(3-0-3)** This course examines processes used at local, state, and federal levels to conduct intelligence analysis and develop intelligence products. Includes advanced instruction in intelligence structured analytic techniques.

#### **PA 690 - Public Administration Internship**

**(1-12-1)** Practical experience in agency, organization, or field setting related to the student's career and research interests. Student will work in settings for the full semester or summer and complete a research paper, organizational analysis, position or

policy paper that integrates the intellectual world with the real world.

#### **PA 695 - Research Query**

**(3-0-3)** Focused research under the direction of a graduate faculty member.

#### **PA 699 - Thesis**

**(6 hrs.)** Students will develop, execute and defend an approved thesis project under the supervision of a faculty committee.

## **PHED - Physical Education**

#### **PHED 606 - Physiology: Metabolic and Neuromuscular**

**(3-0-3)** This course is focused on the metabolic and neuromuscular aspects of exercise physiology including energy balance, nutrients, body composition, weight control, metabolic disorders, neural control, skeletal muscle structure and function and neuromuscular function.

#### **PHED 607 - Physiology: Cardiac and Pulmonary**

**(3-0-3)** This course is focused on the cardiovascular and pulmonary theory and skill acquisition in the area of exercise physiology.

#### **PHED 608 - Seminar in Motor Learning and Development**

**(3-0-3)** This course is designed to survey the research in motor development theories and examine the hereditary and environmental determinants of motor development. Motor behavior of infancy through adulthood is covered, along with techniques of assessing motor development and developing a comprehensive motor development program for a specified population (infants, youth, adults or seniors).

#### **PHED 611 - Issues in Health and Physical Education**

**(3-0-3)** Students will be asked to deal with current professional issues and to apply reasoning skills to arrive at professional positions taken and to account for the implications of these decisions.

#### **PHED 615 - Physical Education for the Exceptional Child**

**(2-0-2)** Study of developmentally disabled, gifted and other persons with special needs and capabilities in physical education.

#### **PHED 617 - Advanced Adapted Physical Education**

**(3-0-3)** This course is designed to provide students with a detailed understanding of the physical and motor characteristics of persons with developmental disabilities as they relate to programming in physical education. The course will focus on a review of individual differences along with in-depth study of the past and present research regarding legislation, assessment tools and procedures, and physical education programming for students with developmental disabilities.

#### **PHED 625 - Adaptations of Muscular Activity**

**(2-2-3)** Advanced study of physical education for the benefit of students with special needs. Emphasis upon organization, administration, management and advanced programming.

#### **PHED 634 - Sports Nutrition**

**(3-0-3)** This course is designed to assist students in understanding theory, current research findings, and methods for analysis regarding nutritional aspects of sport and physical activity. Topics

to be addressed include history of sports nutrition, research methods, testing and analysis techniques and interpretation in various sports, and specific nutrient needs of athletes engaged in various types of sports (e.g., anaerobic, mixed aerobic-anaerobic and aerobic activities).

### **PHED 653A - Corporate Practicum**

**(3 to 6 hrs.)** This course will provide students with practical experience in a corporate fitness/wellness setting.

### **PHED 653B - Clinical Practicum**

**(3 to 9 hrs.)** This course will provide students with practical experience in a clinical based setting that includes cardiac rehabilitation, pulmonary rehabilitation and/or sports medicine.

### **PHED 670 - Directed Research**

**(1 to 3 hrs.)** Supervised research investigation of a professional problem. Student must submit a proposal describing the nature and procedure of the research prior to starting. Format for the proposal will be supplied by the instructor upon request. Copy of final study required for department's permanent file of completed research projects.

### **PHED 672 - Graduate Seminar in Exercise Physiology**

**(3-0-3)** This course is a culminating experience in which students will review and use the knowledge, skills and abilities acquired during their graduate program to prepare to take the professional clinical exams required to secure desirable employment.

### **PHED 677 - Special Problems in Physical Education**

**(1 to 3 hrs.)** Designed to meet special needs of individual students. Intensive study of approved specific problems from an area of physical education.

### **PHED 680 - Workshop**

**(3-0-3)** The workshop format is an interactive learning experience designed to build and/or improve specific skills with a physical education orientation. Maximum of six semester hours may be earned under this course number.

### **PHED 699 - Thesis**

**(6 hrs.)** A maximum of six semester hours allowed.

## **PHIL - Philosophy**

### **PHIL 670 - Directed Research**

**(1 to 3 hrs.)** The student selects an approved topic in philosophy on which he or she will do a directed research paper. A proposal describing the research is required prior to enrollment in the course. A copy of the completed paper is required for the department's permanent file.

### **PHIL 676 - Directed Study**

**(1 to 3 hrs.)** The student selects an approved topic in philosophy on which he or she will do a directed study. A proposal describing the study is required prior to enrollment in the course. A copy of the completed work is required for the department's permanent file.

## **PS - Political Science**

### **PS 600 - Political Science Seminar**

**(3-0-3)** This graduate seminar in political sciences sub-field with topical course offerings that serve to develop specializations for administration, policy and theory.

## **PSY - Psychology**

### **PSY 600 - Seminar**

**(3-0-3)** May be repeated for maximum of nine hours.

### **PSY 601 - Legal, Ethical and Multicultural Issues**

**(3-0-3)** The course will involve an examination of the major legal issues involved in mental health practice. Including are insanity, involuntary commitment, confidentiality and the duty to warn and the Ethical Principles of the Psychologist as they apply to the conduct of clinical practice with culturally diverse clients and scientific research.

Prerequisite: Admission to graduate study in clinical/counseling psychology.

### **PSY 604 - Sport Psychology**

**(3-0-3)** Designed to assist students in understanding the theory and research regarding psychological aspects of sport and physical activity. Topics addressed include history of sport psychology, research methods and testing in sports environments, and how psychological principles (e.g., learning, personality, attention, arousal, intervention, motivation, attribution, aggressive, leadership, group dynamics, audience effects) impact sport performance.

Prerequisite: Admission to graduate study in psychology or graduate program in health and sport sciences.

### **PSY 609 - Educational Psychology**

**(3-0-3)** Advanced and applied study of nature of learning, evaluation of learning, outcomes, and characteristics and development of students and teaching methods.

Prerequisite: Admission to graduate study.

### **PSY 610 - Advanced Human Growth and Development**

**(3-0-3)** Developmental processes across the lifespan. Application of principles of development, research findings, and theory of human development and behavior.

Prerequisite: Admission to graduate program.

### **PSY 611 - Computer Packages for the Life Sciences**

**(3-0-3)** Application of descriptive and inferential statistics by SPSS, BMD, and SAS computer packages for data analyses in life sciences.

Prerequisite: Admission to graduate study.

### **PSY 612 - Advanced Experimental Design and Analysis I**

**(2-2-3)** Advanced survey of psychological research methodology with emphasis on experimental design, computer-assisted statistical analysis, and writing APA style empirical reports. The course will focus on experimental designs with one independent and one dependent variable. Laboratory experiences are an integral part of this course.

Prerequisite: Admission to graduate study in psychology.

### **PSY 613 - Advanced Experimental Design and Analysis II**

**(2-2-3)** Advanced survey of psychological research methodology with emphasis on experimental design, computer-assisted statistical analysis, and writing APA style empirical reports. The course will focus on experimental designs with multiple independent and dependent variables. Laboratory experiences are an integral part of this course.

**PSY 621 - Advanced Physiological Psychology**

(2-2-3) Interaction of physiology and behavior, including study of the peripheral and central nervous system as they relate to motor coordination and reflex processes.

Prerequisite: PSY 421 and admission to graduate study in psychology.

**PSY 633 - Personality Theory**

(3-0-3) Examination of theories of personality. Relation of current theories to psychological research will be examined.

Prerequisite: Admission to graduate study.

**PSY 634 - Learning Theory**

(3-0-3) Examination of theories of learning and relationship of these theories to psychological research.

Prerequisite: Admission to graduate study in psychology.

**PSY 636 - Seminar in Cognitive Psychology**

(3-0-3) Involves the intensive examination of theories and methods in cognitive psychology. The focus is on theory, classic issues and techniques, connectionist models, and neurocognition.

Prerequisite: Admission to graduate study in psychology.

**PSY 650 - Abnormal Psychology**

(3-0-3) Psychology, behavior and treatment of individuals having superior or inferior mental abilities; perceptual handicaps, orthopedic problems and behavioral disorder, and general methods of facilitating growth, therapy and research in this area.

Prerequisite: Admission to graduate study.

**PSY 654 - Seminar in Social Psychology**

(3-0-3) An intensive examination of history, theory, methods and application of social psychological concepts and research.

Prerequisite: Admission to graduate study in psychology.

**PSY 656 - Psychometrics**

(3-0-3) This course will give the student extensive information concerning classical test theory, and aspects thereof, including reliability, validity, and item analysis, as well as item response theory and computer-assisted testing. Additionally, basic information will be developed and presented concerning the major psychological test instruments most frequently used in clinical practice.

Prerequisite: Admission to graduate study in psychology.

**PSY 657 - Intellectual Assessment**

(2-2-3) Study of basic concepts of psychometrics such as standardization, reliability, validity, and use of psychological tests. Study of and practice in administration, scoring, and interpretation of measures of intelligence and academic achievement.

Prerequisite: Admission to graduate study in psychology.

**PSY 658 - Assessment of Children**

(2-2-3) Principles and practice of clinical assessment of children. Included are intellectual, emotional, behavioral and academic assessment processes. Current theory and research on best practices is the emphasis in the lecture portion of the course, while practical skills and diagnostic formulation are the focus of laboratory activities.

Prerequisite: PSY 657 and admission to graduate study in clinical/counseling psychology.

**PSY 661 - Psychopathology**

(2-2-3) Study of contemporary classification systems employed by the mental health community, along with various theoretical models of defining abnormality and of explaining etiology of specific syndromes of abnormal psychology. Study of current research into the description and explanation of psychopathology and process of diagnosis, as well as learning practical skills in interviewing and diagnosis.

Prerequisite: Admission to graduate study in clinical/counseling psychology.

**PSY 662 - Assessment of Adults**

(3-0-3) Study of and training in various psychological instruments used to describe and diagnose personality functioning and dysfunctioning in adults. Although the course will focus primarily on the Rorschach, other studies will include the MMPI, the 16 PF, figure drawings, the TAT, and sentence completion measures.

Prerequisite: Admission to graduate study in psychology.

**PSY 663 - Marriage and Family Therapy**

(3-0-3) Introduction to the major theories and techniques of marital and family therapy. Included will be an introduction to sex therapy, divorce therapy, marriage enrichment and feminist issues in family therapy. Includes an opportunity to observe/participate as a therapist in a clinical setting.

Prerequisite: Admission to graduate study.

**PSY 664 - Clinical Hypnosis**

(3-0-3) An examination of the major uses of clinical hypnosis in the practice of clinical and counseling psychology. Intensive didactic and experiential components including experiential training and practice of trance induction, deepening and utilization.

Prerequisite: Consent required and admission to graduate study in psychology.

**PSY 665 - Child and Adolescent Psychotherapy**

(3-0-3) This course will cover a wide array of topics in the therapeutic treatment of children and adolescents, from traditional play and insight-oriented to behavioral and cognitive-behavioral approaches.

Prerequisite: PSY 673 and admission to graduate study in clinical/counseling psychology.

**PSY 669 - Behavior Modification**

(2-2-3) Operant learning principles that govern human behavior applied to modification of behavior in clinical setting. Course is designed to give experience in dealing with behavioral problems in classroom and clinical settings. Laboratory experiences are an integral part of the course.

Prerequisite: Admission to graduate study.

**PSY 670 - Directed Research**

(1 to 3 hrs.) Independent research study of a topic in psychology. Proposal, conforming to the American Psychological Association Publication Manual style and describing purpose and methodology of study, required prior to enrollment in the course. Copy of final study required for department's permanent file of completed research projects.

Prerequisite: Consent required and admission to graduate study in psychology.

**PSY 672 - Practicum**

**(2 to 12 hrs.)** Placement of clinical or counseling students in school and clinical settings for direct services to clients under qualified supervision.

Prerequisite: Consent required.

**PSY 673 - Psychotherapy I**

**(2-2-3)** Study of major theories and systems of psychotherapy and behavior change, including psychoanalytic, humanistic and behavior/cognitive-behavioral orientations. Contemporary issues and empirical research will also be addressed. Laboratory component involving training in basic therapeutic skills and interventions.

Prerequisite: Admission to graduate study in clinical/counseling psychology.

Corequisite: PSY 673L

**PSY 674 - Psychotherapy II**

**(2-2-3)** Continuation of PSY 673. Development of psychotherapy and acquisition of professional skills in psychotherapy/counseling, including development of appropriate professional attitudes toward psychotherapy, clients and ethical issues.

Prerequisite: PSY 673 and admission to graduate study in clinical/counseling psychology.

**PSY 675 - Selected Topics**

**(2-2-3)** Various methods courses in instrumentation and data reduction, innovation and research design, directed study of special problems in psychology, various application courses, and others.

Prerequisite: Consent required.

**PSY 676 - Directed Study**

**(1 to 3 hrs.)** Directed study, not requiring a research design, of a topic in psychology. Proposal describing purpose of the study required prior to enrollment in the course. Copy of final report on the project required for department's permanent file of completed projects.

Prerequisite: Consent required.

**PSY 677 - Seminar in Developmental Research**

**(3-0-3)** Intensive examination of research in contemporary developmental psychology. Emphasis on reading and evaluating current journal articles and designing research projects.

Prerequisite: Admission to graduate study in psychology.

**PSY 678 - Internship**

**(2 to 12 hrs.)** Placement of advanced graduate student in clinical or counseling program in school and clinical settings for internship under qualified supervision. Minimum of six hours of credit required.

Prerequisite: Consent required.

**PSY 680 - Workshop**

**(1 to 3 hrs.)** Workshop for specifically designated task orientation in psychology. May be repeated in additional subject areas. Maximum of six semester hours may be earned under this course number.

**PSY 684 - Sensation and Perception**

**(2-2-3)** Examination of the role of perception as information extraction process. Includes constancies, space perception, illusions, and influences of learning and experience on development of perception.

Prerequisite: Admission to graduate study in psychology.

**PSY 685 - Systems and Theories**

**(3-0-3)** Intensive study of more influential historical systems of psychology, including structuralism, functionalism, associations, behaviorism. Gestalt psychology and psychoanalysis, and a treatment of contemporary developments.

Prerequisite: PSY 612

**PSY 686 - Motivation**

**(2-2-3)** Consideration of basis of human and animal motivation in relation to other psychological processes.

Prerequisite: Admission to graduate study.

**PSY 689 - Psychology of Learning**

**(3-0-3)** Fundamental principles of learning, including acquisition, retention, forgetting, problem solving and symbol formation; experimental studies; application of principles to practical problems in habit formation, development of skills, remembering and logical thinking.

Prerequisite: Admission to graduate study.

**PSY 690 - Psychological Research**

**(1 to 9 hrs.)** Seminar research design and problems course to explore in-depth specific areas of research related to student's principal professional objective.

Prerequisite: Admission to graduate study in psychology.

**PSY 699 - Thesis**

**(1 to 6 hrs.)** This course may be repeated up to three times, not to exceed six total credit hours.

Prerequisite: Consent required.

**RAPP - Regional Analysis and Public Policy****RAPP 610 - Ideology and Policy Development in Appalachia**

**(3-0-3)** An examination of the Appalachian region with special emphasis on the interplay of historical, cultural, social and political systems in "producing" Appalachia and Appalachian images. Specific attention is devoted to the following: the Appalachian Regional Commission, structural characteristics of Appalachia, industrial transformation of Appalachia, images of Appalachia, Appalachian histories and futures.

**RAPP 611 - Spatial Analysis**

**(3-1-3)** This course provides students with the background and skills to evaluate, select and apply appropriate spatial analysis techniques to solving real-world problems and issues in public administration. A wide variety of spatial tools and applications applicable to government, business, environmental studies, and academia will be explored. Specifically, students will learn concepts of spatial analytic practice, explore the methods and techniques of applying these concepts in practice, and develop the ability to evaluate, select and apply the appropriate techniques to real-world subjects.

**RAPP 620 - Economic Development**

**(3-0-3)** Analysis of economic change and development processes and their consequences with emphasis upon regional rural areas. Special emphasis on the role of physical and cultural landscapes in shaping economic development.

### **RAPP 630 - Graduate Seminar in Regional Issues**

(3-0-3) Exploring problems in contemporary regional analysis, including forum discussions of recent research, development of interdisciplinary solutions to social and environmental problems, and presentations of current research. Special emphasis on regional issues and regional policy.

### **RAPP 637 - Environmental Policy and Management**

(3-0-3) Contemporary issues in natural resource management and environmental policy, including air, water and soil contamination, water management, and impacts of resource extraction. Special emphasis will be given to energy and resource issues in Appalachia.

### **RAPP 670 - Directed Research**

(3-0-3) Focused research under the direction of a graduate faculty member.

### **RAPP 685 - Advanced Environmental Education**

(2-2-3) This is a hybrid (online and in-person) environmental methods course that focuses on curriculum development using outdoor classrooms. Students will be required to participate in outdoor and indoor settings.

## **SCI - Science**

### **SCI 619 - Advanced Integrated Math and Science for Teachers**

(2-2-3) This course will develop interdisciplinary science knowledge, mathematics skills and technology skills needed to interpret and report real world data.

### **SCI 622 - Chemistry and Your Environment**

(3-0-3) A review of the role of chemistry in the environment and its relation to issues of waste generation and waste disposal, determination of environmental hazard levels, and current toxicological beliefs. Some applications to the school laboratory are included.

### **SCI 670 - Directed Research**

(1 to 6 hrs.) Independent research in science education.

### **SCI 671 - Earth Science for Elementary Teachers**

(3-0-3) An earth system science approach to studying essential questions that elementary teachers can explore with their students. Assignments include hands-on activities that students conduct with elementary-aged children.

### **SCI 672 - Earth Science for Middle and High School Teachers**

(2-2-3) Selected topics from the geological sciences.

### **SCI 676 - Research Problems**

(1 to 6 hrs.)

### **SCI 678 - History of Science**

(3-0-3) Development of scientific traditions, discoveries and concepts from the time of ancient Egypt to the present.

### **SCI 690 - Advanced Science for the Elementary School Teacher**

(2-2-3) A comprehensive overview of teacher competencies applicable to the effective teaching of elementary school science.

### **SCI 691 - Science for the Middle School Teacher**

(2-2-3) A study of pedagogy, science content and techniques applicable to the teaching of science to middle school or junior high children.

### **SCI 692 - Science for the Secondary Teacher**

(2-2-3) Concepts of teaching high school science with emphasis on laboratory techniques, test preparation, questioning, presentation methods and care of equipment.

### **SCI 699 - Special Class**

(1 to 6 hrs.)

## **SOC - Sociology**

### **SOC 601 - Criminology Theory**

(3-0-3) This course offers an intensive analysis of the major areas of criminological theory. Primary emphasis is placed on contemporary theoretical issues. Equates with CRIM 601.

### **SOC 603 - Appalachian Sociology**

(3-0-3) This course is a study of major Appalachian social institutions including the family, religion, education, the economy and government; a survey of health and welfare institutions, major value orientations, population characteristics and social change.

### **SOC 605 - Mind, Self and Society**

(3-0-3) This course examines the individual and society as the products of human interaction.

### **SOC 615 - Sociological Research**

(3-0-3) This course is an advanced study in behavioral research methodology; empirical generalizations, proposition formation and analysis, data gathering and interpretation, instrumentation, scaling techniques and supervised application of methods.

### **SOC 616 - Family Dynamics**

(3-0-3) This course offers an intensive analysis of the family in its social context. Emphasis is placed on social interaction within the family, socioeconomic and sociocultural factors which bear influence upon it, and the relationship of the family to the total social system.

### **SOC 620 - Sociology of Education**

(3-0-3) Contributions of sociology to understanding education as a social process. Sociological concepts and principles are used to point up crucial problems in education.

### **SOC 625 - Deviance**

(3-0-3) This course analyzes deviance as social behavior. Emphasis is placed on acquisition of an understanding of the major sociological theories of deviance. Equates with CRIM 625.

### **SOC 626 - Communities**

(3-0-3) The course explores the structure, character and function of community in a rapidly changing world and provides students with a basic understanding of community social structures and how they function to create community in rural and urban settings. Students will learn how they function to create community in rural and urban settings. Students will learn how community theory is related to building solidarity and to creating effective community and economic development programs.

**SOC 632 - Gender, Religion, and Sexuality**

(3-0-3) Explores theoretical, methodological, and contemporary topics in the intersection of gender, religion, and sexuality.

**SOC 635 - Organizations in Contemporary Society**

(3-0-3) An analysis of organizations as social systems. An inquiry into bureaucratic developments in educational, industrial, military and welfare institutions.

**SOC 640 - Social Policy in Aging**

(3-0-3) Designed to develop knowledge of federal, state and local programs which relate directly to the field of gerontology. Specifically, the course demonstrates how federal, state and community programs affect the welfare of senior citizens.

**SOC 641 - Issues in Aging**

(3-0-3) This course introduces students to the field of gerontology and the broad spectrum of issues in the study of aging. Social, physical, psychological, and cognitive aspects of aging are examined, and implications for social services and policy are discussed.

**SOC 645 - Death and Dying**

(3-0-3) Situates an analysis of death and dying within social processes and social problems. This course includes a practical set of strategies for working with dying persons, their families and grief. Equates with SWK 645.

**SOC 650 - Social Thought and Theory**

(3-0-3) An intensive study of certain selected pioneer social theorists such as Weber, Durkheim, Marx, and contemporary theories. Equates with ISS/GEO/HIS 650.

Prerequisite: SOC 405

**SOC 655 - Qualitative Research Methods**

(3-0-3) This course introduces the perspectives and methods of the qualitative approach and ethical issues. The course examines basic methodologies of ethnography, case studies, participatory action research and archival research and specific techniques for doing in-depth interviewing, participant observation, and content analysis.

Prerequisite: SOC 450

**SOC 659 - Social Change in Appalachia**

(3-0-3) Reviews the industrial and post-industrial periods of economic, political and social change in the Appalachian region, institutional policies and programs and grassroots solutions to social problems.

**SOC 661 - Sociology of the Law**

(3-0-3) Provide a clear understanding of the manner in which laws are formed to protect certain groups and marginalize others who are often perceived as threatening. Deconstruct specific laws by analyzing the formation of criminal law from its incipient stages of development in American society.

**SOC 665 - Environmental Sociology**

(3-0-3) Introduces this subfield of sociology examining current environmental issues and conflicts and various theoretical perspectives used to understand them and formulate solutions. The role of grassroots organizations is also reviewed. Equates with CRIM 665.

**SOC 670 - Directed Research**

(1 to 3 hrs.) Qualified students may arrange with staff for a research project on some sociological situation.

**SOC 676 - Directed Study**

(1 to 3 hrs.) Qualified students may arrange with staff for individual work on some particular sociological problem.

**SOC 690 - Graduate Practicum in Gerontology**

(3 to 9 hrs.) Designed to provide the graduate student actual work experience in community agencies providing services to the aged. The practicum will be under the supervision of trained and certified professionals in the field.

**SOC 699 - Thesis**

(6 hrs.) Students electing to write a thesis will work under the supervision of a faculty member and must present a thesis approved by the graduate faculty.

**SPA - Spanish****SPA 603 - Advanced Spanish Grammar**

(3-0-3) Grammatical analyses of the structure of Spanish and practice with a wide range of grammatical exercises.

**SPA 605 - Linguistics and Language Teaching**

(3-0-3) The application of current linguistic theories to the methodology of teaching French and Spanish; micro-teaching practice and field experiences in the four skills, grammar and culture. Equates with FRN 605.

**SPA 676 - Directed Study**

(1 to 3 hrs.) This course is a directed study for graduate students in Spanish. Each request for the course will be considered on its own merit in relation to the special needs of the student. A maximum of nine semester hours may be earned through independent or special problem courses.

**SPA 699 - Special Courses**

(3-0-3) These courses are specialized offerings in Spanish for graduate students. The purpose of these courses is to enhance the existing program in Spanish. A maximum of nine semester hours may be earned through independent or special problem courses.

**SPMT - Sport Management****SPMT 600 - Research Methods in Sport Management**

(3-0-3) This course is designed to provide the student with skills and knowledge in the selection, delineation and statement of a research problem; techniques of bibliography building; methods of organization; recognized methods of investigation; application of statistical methods to research problems; and style standards for research writing in the field of sport management.

**SPMT 605 - Planning and Designing Sport and Physical Activity Facilities**

(3-0-3) Facilities, equipment, site selection, building plans and equipment placement in sport and physical activity programs of physical education.

**SPMT 612 - Sport Governance**

(3-0-3) This course is an examination of sport organizations focused on both professional and amateur governance structures and processes. The study of policy in educational, nonprofit, professional and international sport venues will also be addressed.

### **SPMT 630 - Sport Marketing**

(3-0-3) This graduate level course will provide techniques of marketing to prepare individuals to assume the responsibilities for athletic and sport marketing at the high school, collegiate, professional and business levels. In addition, the course work will include an overview of sports marketing and will examine the application of marketing principles to collegiate and professional sports events.

### **SPMT 632 - Management and Administration of Sports Programs**

(3-0-3) The course is designed to assist students in understanding the aims, objectives, principles, policies, procedures and requirements for a successful career as a sports manager.

### **SPMT 635 - Legal Issues in Sports and Physical Activity**

(3-0-3) The course is designed to assist students in understanding the aims, objectives, principles, policies, procedures and requirements in regard to legal issues for a successful career as a sports manager.

### **SPMT 650 - Financing the Sport Enterprise**

(3-0-3) The course is designed for students to study financial theories and practical application as they affect sport revenues and expenditures including both private and public economic influences. Topics to be addressed include purchasing, budgeting, risk management, operational procedures and auditing guidelines.

### **SPMT 655 - Leadership and Ethics in Sport and Physical Activity**

(3-0-3) This course is intended as an examination of leadership and ethical issues that commonly arise in sport business. The course provides an analysis of leadership styles and theories and ethical issues facing youth, interscholastic, intercollegiate, Olympic, professional, and business sport entities.

### **SPMT 660 - Socio-Cultural Issues in Sport**

(3-0-3) This course is designed to acquaint the graduate student with advanced principles and applications of social issues within the sport industry. The course will provide in-depth looks at how amateur/professional sport, and sport business enterprises reflect societal values and issues in the arena of sport. Topics such as gender, disability, race and ethnicity, aggression, politics, religion, and class and social mobility will be studied.

### **SPMT 661 - Sport Relations**

(3-0-3) This course has been developed to introduce the student to the components necessary to manage a successful sport relations program. The preparation of information for distributions, media outlets, and various constituencies will be covered. In addition, employee, community and customer relations will be discussed as well as components for enhancing the image of a sport organization.

### **SPMT 671 - Sport Management Internship**

(3-0-3) This course is designed to assist students in understanding the aims, objectives, principles, policies, procedures and requirements for a successful career as a sports administrator.

### **SPMT 672 - Research Project**

(3-0-3) This course provides an opportunity to conduct original research on a sport management subject that is of interest to the student. The research represents a more detailed investigation into a sport management topic.

Prerequisite: "B" or better in SPMT 600

### **SPMT 676 - Special Problems in Sport Management**

(1 to 3 hrs.) A self-directed independent study on a specific problem based on written proposal and justification submitted by the student prior to registration. Each request will be considered on its own merit in relation to the special needs, interest and abilities of the student.

## **SSE - Space Science and Engineering**

### **SSE 610 - Space Mission Analysis and Design**

(3-0-3) This course covers the life cycle of a space mission from conception and mission goals to end-of-life. The goals of a space mission will determine the extent of the satellite payload and subsystems, the tracking station and ground station system requirements and the processing of the science data.

Prerequisite: PHYS 232 and MATH 276

Corequisite: SSE 630

### **SSE 626 - Thermal and Structural Analysis**

(3-0-3) This course covers two fields: heat transfer and structural analysis. The course introduces the fundamental concepts and mechanisms of heat conduction, convection and radiation, their mathematical equations and their analysis methods. Also addressed are the basic structures, such as beams, trusses and frames, determinate and indeterminate structures and the classical methods of analyzing various mechanical structures. MatLab is used to solve actual engineering problems. Emphasis is placed on developing students' problem-solving and structural

Prerequisite: PHYS 232 and MATH 276

Corequisite: SSE 630

### **SSE 630 - Linear Systems**

(3-0-3) This course first reviews engineering math concepts needed for understanding linear systems, which include waveform, matrix analysis, complex analysis, Laplace transform, z-transform and Fourier transform. It then introduces linear system topics, such as mathematical descriptions of systems, Fourier series, Fourier transforms, z-transforms, spectral analysis, sampling and space state methods. MatLab will be used through this course to solve math equations, visualize the results and enhance understanding. This course puts emphasis on helping students gain the fundamental knowledge closely related to circuit analysis, signal processing, communication and automatic control.

Prerequisite: PHYS 232 and MATH 276

### **SSE 640 - Advanced Processor Systems**

(3-0-3) In this course, students will investigate spacecraft operating systems and learn to apply the system level trade-offs and analyses necessary to match computer system capabilities with applications in the space environment. Topics include subsystem interfacing, data management, system latency diagnostics, storage, temporal effects, and mission data design level requirements.

Prerequisite: PHYS 232, MATH 276, and SSE 630

### **SSE 642 - Modeling and Simulation**

(3-0-3) This course provides the student with an understanding of the mathematical modeling and analysis of dynamic, electrical, mechatronic systems as risk mitigation for space missions.

Modeling and simulation techniques are applied to spacecraft systems, design trade-off analyses, and hardware in the loop simulations. Software tools used extensively include MatLab, SimuLink and Satellite Tool Kit.

Prerequisite: PHYS 232, MATH 276, and SSE 630



**SSE 644 - Advanced Space Communication**

**(3-0-3)** This course is an in-depth presentation of advanced communications systems theory and design of robust, reliable communications systems for data and control requirements in space-borne systems. Spacecraft and ground-based elements of a communication link system work together to provide a continuous stream of data and successful spacecraft operation. Beginning with the review of basic concepts, advanced tools for design tradeoff analysis are introduced and practical issues of system design and implementation are examined. The course concludes with a project demonstration of a selected topic in communications system implementation.

Prerequisite: PHYS 232, MATH 276, and SSE 630

**SSE 645 - Satellite Ground Systems Operations**

**(3-0-3)** This course provides a practical, hands-on introduction to all aspects of space mission operations with a focus on the ground segment. Spacecraft and ground-based elements of a space mission work together to provide a continuous stream of data and successful spacecraft operation. The functions of major ground-system elements are investigated. Students develop competencies in the processes of space mission operations by operating MSU's Earth stations and telecommanding orbiting satellites. The course concludes with a discussion of current trends in ground system design and operations.

Prerequisite: PHYS 232, MATH 276, and SSE 630

**SSE 648 - Orbital Mechanics**

**(3-0-3)** This course covers the classical and some of the general relativistic theoretical components of gravity and orbits. Starting with Newtonian mechanics, Kepler's laws (which are the basis of most orbital models) will be derived and applied to satellite position and velocity determination. Gravitational models with non-uniform mass-densities will also be introduced and applied. Adjustments to these models because of general relativity, which will be necessary for fine orbit determination, will be calculated. Satellite Tool Kit (STK) and MatLab will be used to model satellite orbits.

Prerequisite: PHYS 232, MATH 276, and SSE 630

**SSE 650 - Spacecraft Design and Fabrication**

**(3-0-3)** This course covers the principles of spacecraft design, including space environmental and astrodynamical considerations, and overviews principle sub-systems of a spacecraft including: power, communications, altitude sensors for health and safety, as well as payload (scientific packages). Also covered are design considerations such as materials, weight, heat dissipation, radiation protection, shock tolerance, testing, and ground operations.

Prerequisite: PHYS 232 and MATH 276

Corequisite: SSE 630

**SSE 660 - Spacecraft Sensors and Remote Sensing**

**(3-0-3)** Students will investigate the technologies involved in monitoring Earth systems from space platforms and in measuring spacecraft environment parameters critical to the health and safety of a spacecraft. In addition to the environment, gathering information from other sensors is the primary function of most satellite missions. Students will investigate the parameters and considerations involved in designing and using an effective sensor for a particular mission. Remote sensing techniques associated with multispectral imaging, RADAR, and LiDAR will be investigated.

Prerequisite: PHYS 232, MATH 276, and SSE 630

**SSE 678 - Micro/Nano Systems for Space Applications**

**(3-0-3)** Spacecraft, especially for deep space exploration, are miniaturized significantly, calling for using smaller, more sensitive and multi-functional devices and systems. Micro/nano devices and systems play an essential role at delivering in a limited space functionality similar or equivalent to that of a larger spacecraft. This course introduces a number of representative micro/nano devices and systems used currently in spacecraft and their operating principles and characteristics.

Prerequisite: PHYS 232, MATH 276, and SSE 630

**SSE 699A - Master Thesis Research**

**(3-0-3)** A directed engineering project of a specified space system or subsystem will be undertaken by the student under the mentorship of a faculty member. The systems will be designed, fabricated and tested. Test data will be collected and analyzed, in consultation with a faculty advisor. A primary literature search and research proposal will be completed using library facilities and current technology. This research project will culminate with a scientific paper and oral presentation in SSE 699B.

Prerequisite: PHYS 232, MATH 276, and SSE 630

**SSE 699B - Master Thesis**

**(3-0-3)** A directed engineering project of a specified space system or subsystem will be undertaken by the student under the mentorship of a faculty member. The systems will be designed, fabricated and tested. Test data will be collected and analyzed, in consultation with a faculty advisor. This engineering design project will have begun in SSE 699A, which carries the project through preliminary and critical design reviews, culminating with the final project and oral defense.

Prerequisite: PHYS 232, MATH 276, and SSE 630

**SWK - Social Work****SWK 600 - Special Problems**

**(1 to 3 hrs.)** Arranged with department to study a topic in the social work field.

**SWK 620 - Social Work Administration and Management**

**(3-0-3)** This course reviews the history, nature, organizational structure and philosophy of the administration of public programs of income maintenance and other welfare services, consideration of the role of voluntary agencies.

**SWK 635 - Group Dynamics**

**(3-0-3)** This course is designed to give the student an understanding of group methods and the theories underlying the use of groups in the helping process. Special emphasis will be given to the processes that affect the development and functioning of all types of groups.

**SWK 645 - Death and Dying**

**(3-0-3)** Situates an analysis of death and dying within social processes and social problems. This course includes a practical set of strategies for working with dying persons, their families and grief. Equates with SOC 645.

**SWK 660 - Introduction to Chemical Dependency Counseling**

**(3-0-3)** The purpose of this course is to help students gain an understanding of the theories that underlie addiction and to obtain a basic understanding of counseling approaches to

addiction. This course surveys biological, psychological, familial and sociological impacts of chemical dependency attitudes and behaviors. The course studies the influences that effect personal choices, problem drinking and addiction. Basic techniques for prevention strategies, treatment modalities, and intervention techniques are also studied.

**SWK 661 - Alcohol, Alcoholism and Chemical Dependency**

**(3-0-3)** The purpose of this course is to help students gain an understanding of cultural attitudes and customs regarding alcohol, alcoholism, and other drugs. This course will survey biological, psychological, familial and sociological impacts of chemical dependency attitudes and behaviors. The influences that affect personal choices, problem drinking and addiction will be analyzed. Basic techniques for prevention strategies, treatment modalities and intervention techniques will be studied.

**SWK 662 - Approaches to Chemical Dependency Treatment I**

**(3-0-3)** The purpose of this course is to provide understanding and approaches in chemical dependency counseling using international certification guidelines. Specific topics addressed will include: screening techniques, intake techniques, orientation, assessment, intervention, education, referral, record keeping and HIV information and consultation.

Prerequisite: SWK 660 and SWK 661;

**SWK 663 - Approaches to Chemical Dependency Treatment II**

**(3-0-3)** The purpose of this class is to provide understanding and approaches in chemical dependency counseling using international guidelines. Specific topics addressed will include: counseling approaches, ethical issues and issues related to special populations.

Prerequisite: SWK 660 SWK 661;

Corequisite: SWK 662

**SWK 664 - Practicum in Chemical Dependency**

**(3-0-3)** Students will complete a 135-hour practicum under the direct supervision of a chemical dependency counselor. The practicum will include opportunities to conduct group counseling, provide individual counseling and develop treatment plans.

Prerequisite: SWK 660, SWK 661, SWK 662 and SWK 663

## THEA - Theatre

**THEA 612 - Playwriting**

**(3-0-3)** An analysis of the structure of plays and the writing of original scripts.

**THEA 613 - Advanced Play Directing**

**(3-0-3)** To develop greater proficiency in techniques of directing as related to specific productions and staging problems.

**THEA 630 - Summer Theatre III**

**(4-0-4)** Advanced assignments in set and costume design or advanced acting and directing. May be repeated.

**THEA 652 - Early Dramatic Literature**

**(3-0-3)** A detailed study of representative plays from the Greeks to mid-19th century.

**THEA 653 - Modern Dramatic Literature**

**(3-0-3)** A detailed study of the drama from the growth of realism to the present day.

**THEA 655 - Dramatic Criticism**

**(3-0-3)** Dramatic theory and criticism as developed through Aristotle, Horace, Middle Ages, the Renaissance and the 20th century.

**THEA 662 - Advanced Acting**

**(3-0-3)** Advanced study of acting, including analysis and development of characters in acting situations.

**THEA 663 - Advanced Costuming**

**(2-2-3)** Designing costumes for theatrical productions, making patterns and the fabrication of garments for the stage.

**THEA 664 - Advanced Scene Design**

**(2-2-3)** To develop greater proficiency in the skills of scenic design as applied to specific problems and theatrical productions.

**THEA 665 - Advanced Stage Lighting**

**(2-2-3)** To develop proficiency in the skills of lighting productions; to research topics and special problems pertaining to stage lighting.

**THEA 670 - Children's Theatre**

**(3-0-3)** A concentrated study of the problems involved in the organization and production of plays for and with children.

# Administrative Directory

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